

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patents and Applications as shown on : Assignee: Diamond Innovations, Inc.  
attached Exhibit "A" :

Serial No.: As shown on attached Exhibit "A" :

**REVOCATION AND GRANT OF NEW POWER OF ATTORNEY  
AND CHANGE OF CORRESPONDENCE ADDRESS**

The undersigned Assignee of record in the above-referenced patent hereby revokes all previous powers of attorney in connection with this application and appoints the following attorneys, all of whom are associated with **Customer Number 21269**:

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Nicole N. Endejann	Reg. No. 50,229	Carissa Tener	Reg. No. 52,278
		Joseph T. Helmsen	Reg. No. 54,163

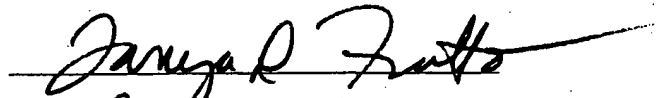
of the firm of PEPPER HAMILTON LLP, and every attorney at law associated with that firm, to act on Assignee's behalf before all competent in connection with this application and any continuation therefrom. Please direct all future correspondence in connection with this application to attorney

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Respectfully submitted,

Diamond Innovations, Inc.,  
a Delaware corporation

Dated: Febr 8, 2004

  
President CEO

# Exhibit A

## Intellectual Property - Owned - Patents

Patent Number	Application Serial Number	Title	Filing Date
4311490	219289	DIAMOND AND CBN ABRASIVE COMPACTS USING SIZE SELECTIVE ABRASIVE PARTICLE LAYERS	7-Sep-88
4311490	823893	RE-SINTERED BORON-RICH POLYCRYSTALLINE CUBIC BORON NITRIDE AND METHOD FOR MAKING SAME	29-Jan-86
4498450	515448	GANG SAW FOR CUTTING BLOCKS OF STONE	20-Jul-83
4498450	515448	GANG SAW FOR CUTTING BLOCKS OF STONE	20-Jul-83
4518659	536221	SWEEP THROUGH PROCESS FOR MAKING POLYCRYSTALLINE COMPACTS	23-Sep-83
4525179	552081	IMPROVED PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	14-Oct-83
4525179	542081	PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	14-Oct-83
4527998	624064	BRAZED COMPOSITE COMPACT IMPLEMENTS	25-Jun-84
4536442	488003	OPTICAL WINDOWS MADE OF POLYCRYSTALLINE ADAMANTANE BORON NITRIDE OR DIAMOND	2-May-83
4536442	488003	PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	2-May-83
4605343	652242	SINTERED POLYCRYSTALLINE DIAMOND COMPACT CONSTRUCTION WITH INTEGRAL HEAT SINK	20-Sep-84
4661180	713966	METHOD OF MAKING DIAMOND TOOL	25-Mar-85
4690691	830414	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	13-Feb-86
4738689	920041	COATED OXIDATION RESISTANT POROUS ABRASIVE COMPACT AND METHOD FOR MAKING SAME	16-Oct-86
4738689	06/920041	COATED OXIDATION-RESISTANT POROUS ABRASIVE COMPACT AND METHOD FOR MAKING SAME	16-Oct-86
4797138	48176	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	11-May-87
4797138	07/048176	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	11-May-87
4797326	818850	SUPPORTED POLYCRYSTALLINE COMPACTS	14-Jan-86
4807402	156272	DIAMOND AND CUBIC BORON NITRIDE	12-Feb-88
4810447	697668	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	4-Feb-85
4828582	153466	POLYCRYSTALLINE ABRASIVE GRIT	3-Feb-88
4832708	8491	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	29-Jan-87
4832708	8491	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	27-Jan-87
4842677	224416	EXCIMER LASER PATTERNING OF A NOVEL RESIST	26-Jul-88
4850523	07/158336	BONDING OF THERMALLY STABLE ABRASIVE COMPACTS TO CARBIDE SUPPORTS	22-Feb-88
4,871,377	07/151,942	COMPOSITE ABRASIVE COMPACT HAVING HIGH THERMAL STABILITY AND TRANSVERSE RUPTURE STRENGTH	[Awaiting]
4883500	262405	SAWBLADE SEGMENTS UTILIZING POLYCRYSTALLINE DIAMOND GRIT	25-Oct-88
4899922	158575	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	22-Feb-88
4931363	365268	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	12-Jun-89
4931363	7/365268	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	12-Jun-89
4951427	07/358728	REFRACTORY METAL OXIDE COATED ABRASIVES AND GRINDING WHEELS MADE THEREFROM	30-May-89
4954139	331928	METHOD FOR PRODUCING POLYCRYSTALLINE COMPACT TOOL BLANKS WITH FLAT CARBIDE SUPPORT/DIAMOND OR CBN INTERFACES	31-Mar-89
4981818	07/479486	POLYCRYSTALLINE CVD DIAMOND SUBSTRATE FOR SINGLE CRYSTAL EPITAXIAL GROWTH OF SEMICONDUCTORS	13-Feb-90
4985050	7/394349	SUPPORTED THERMALLY STABLE CUBIC BORON NITRIDE TOOLS BLANKS AND METHOD FOR MAKING THE SAME	15-Aug-89
5009673	07/277875	POLYCRYSTALLINE SANDWICH COMPACTS AND METHOD FOR MAKING SAME	30-Nov-88
5,011,509	07/390,204	COMPOSITE COMPACT WITH A MORE THERMALLY STABLE CUTTING EDGE AND METHOD OF MANUFACTURING THE SAME	[Awaiting]
5,011,515	07/390,208	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH IMPROVED IMPACT RESISTANCE	[Awaiting]
5022801	07/555879	CVD DIAMOND COATED TWIST DRILLS	18-Jul-90
5022894	7/420191	DIAMOND COMPACTS FOR ROCK DRILLING AND MACHINING	12-Oct-89

**Exhibit A**

**Intellectual Property - Owned - Patents**

Patent Number	Application Serial Number	Title	Filing Date
5026960	7/429661	CHIP BREAKER FOR POLYCRYSTALLINE CBN AND DIAMOND COMPACTS	31-Oct-89
5,032,147	07/153,725	HIGH STRENGTH COMPOSITE COMPONENT AND METHOD OF FABRICATION	[Awaiting]
5043120	7/366943	PROCESS FOR PREPARING POLYCRYSTALLINE CBN CERAMIC MASSES AND RESULTING PRODUCT	16-Jun-89
5096736	07/563367	CVD DIAMOND FOR COATING TWIST DRILLS	7-Aug-90
5106392	07/669124	MULTIGRAIN ABRASIVE PARTICLES	14-Mar-91
5106792	7/630916	CBN/CBN COMPOSITE MASSES AND THEIR PREPARATION	20-Dec-90
5110579	07/407179	TRANSPARENT DIAMOND FILMS AND METHOD FOR MAKING	14-Sep-89
5143523	07/762999	DUAL-COATED DIAMOND PELLETS AND SAW BLADE SEGMENTS MADE THEREWITH	20-Sep-91
5172681	07/635082	RECIPROCATING POINT ROTARY DIAMOND	28-Dec-90
5173091	7/710725	CHEMICALLY BONDED ADHERENT COATING FOR ABRASIVE COMPACTS AND METHOD FOR MAKING SAME	4-Jun-91
5175929	07/845992	METHOD FOR PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION	4-Mar-92
5176803	07/815478	METHOD FOR MAKING SMOOTH SUBSTRATE MANDRELS	4-Mar-92
5188643	07/738758	METHOD OF APPLYING METAL COATING ON CUBIC BORON NITRIDE AND ARTICLES MADE THEREFROM	1-Aug-91
5,190,734	07/660,332	MODIFIED END ASSEMBLY FOR HIGH PRESSURE, HIGH TEMPERATURE REACTION VESSELS	[Awaiting]
5190796	07/722575	IMPROVED METHOD OF APPLYING METAL COATINGS ON DIAMOND AND ARTICLES MADE THEREFROM	27-Jun-91
5190823	07/653556	METHOD FOR IMPROVING ADHESION OF SYNTHETIC DIAMOND COATINGS TO SUBSTRATES	11-Feb-91
5190823	07/653556	METHOD FOR IMPROVING ADHESION OF SYNTHETIC DIAMOND COATINGS TO SUBSTRATES	11-Feb-91
5204145	07/948077	APPARATUS FOR PRODUCING DIAMOND BY CHEMICAL VAPOR DEPOSITION AND ARTICLES PRODUCED THEREFROM	21-Sep-92
5204145	07/948077	APPARATUS FOR PRODUCING DIAMONDS BY CHEMICAL VAPOR DEPOSITION AND ARTICLES PRODUCED THEREFROM	21-Sep-92
5211726	07/669259	PRODUCTS AND PROCESS FOR MAKING MULTIGRAIN ABRASIVE COMPACTS	14-Mar-91
5232469	07/857139	MULTI-LAYER METAL COATED DIAMOND ABRASIVES WITH AN ELECTROLESSLY DEPOSITED METAL LAYER	25-Mar-92
5,236,674	07/826,809	HIGH PRESSURE REACTION VESSEL	[Awaiting]
5,244,368	07/792,716	HIGH PRESSURE/HIGH TEMPERATURE PISTON-CYLINDER APPARATUS	[Awaiting]
5250086	07/857132	MULTI-LAYER METAL COATED DIAMOND ABRASIVES FOR SINTERED METAL BONDED TOOLS	25-Mar-92
5256206	07/929239	CVD DIAMOND FOR COATING TWIST DRILLS	14-Aug-92
5261959	07/332914	DIAMOND CRYSTAL GROWTH PROCESS	4-Apr-89
5266236	07/773461	THERMALLY STABLE DENSE ELECTRICALLY CONDUCTIVE DIAMOND COMPACTS	9-Oct-91
5273557	07/577379	USING THERMALLY-STABLE DIAMOND OR CBN COMPACTS AS TIPS FOR ROTARY DRILLS	4-Sep-90
5273731	07/859753	SUBSTANTIALLY TRANSPARENT FREE STANDING DIAMOND FILMS	30-Mar-92
5273731	07/859753	TRANSPARENT DIAMOND FILMS AND METHOD FOR MAKING	30-Mar-92
5300129	08/005951	COATING FOR IMPROVED RETENTION OF CBN IN VITREOUS BOND MATRICES	19-Jan-93
5300313	07/991798	METHOD FOR DETERMINING THICKNESS OF CHEMICAL VAPOR DEPOSITED LAYERS	16-Dec-92
5306318	08/032750	PROCESS FOR MAKING COATED ABRASIVES FOR GRINDING WHEELS	17-Mar-93
5306318	08/032750	PROCESS FOR MAKING COATED ABRASIVES FOR GRINDING WHEELS	17-Mar-93
5310447	07/744815	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	12-Aug-91
5320988	07/985500	PROCESS FOR PREPARING POLYCRYSTALLINE CBN CERAMIC MASSES AND RESULTING PRODUCT	1-Dec-92
5346719	08/100406	TUNGSTEN METALIZATION OF CVD DIAMOND	2-Aug-93
5356955	07/980,444	ARTIFICIAL POLYMER LATICES IN CORE-SHELL FORM AND METHOD OF PREPARATION	23-Nov-93
5360479	07/547651	ISOTOPICALLY PURE SINGLE CRYSTAL EPITAXIAL DIAMOND FILMS AND THEIR PREPARATION	2-Jul-90
5361621	08/143802	MULTIPLE GRAINED DIAMOND WIRE DIE	27-Oct-93

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## Intellectual Property - Owned - Patents

Patent Number	Application Serial Number	Title	Filing Date
5363687	08/121014	DIAMOND WIRE DIE	14-Sep-93
5377522	08/144168	DIAMOND WIRE DIE WITH POSITIONED OPENING	27-Oct-93
5380557	08/073991	CARBON FLUORIDE COMPOSITIONS	3-Jun-93
5382758	08/188877	PROCESS FOR MAKING METALLIZED VIAS IN DIAMOND SUBSTRATES	31-Jan-94
5382758	08/188877	PROCESS FOR MAKING METALLIZED VIAS IN DIAMOND SUBSTRATES	31-Jan-94
5387447	08/138888	METHOD FOR PRODUCING UNIFORM CYLINDRICAL TUBES OF CVD DIAMOND	19-Oct-93
5387776	08/060459	METHOD OF SEPARATION OF PIECES FROM SUPER HARD MATERIAL BY PARTIAL LASER CUT AND PRESSURE CLEAVAGE	11-May-93
5391229	08/096392	APPARATUS FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND INCLUDING GRAPHITE SUBSTRATE HOLDERS	26-Jul-93
5392633	08/016638	MEASURING THE STRENGTH OF ABRASIVE GRAINS	12-Feb-93
5397396	08/172797	APPARATUS FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND INCLUDING THERMAL SPREADER	27-Dec-93
5405573	07/857192	DIAMOND PELLETS AND SAW BLADE SEGMENTS MADE THEREWITH	4-May-92
5419276	08/163608	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	6-Dec-93
5419798	08/248896	SUPPRESSION OF GRAPHITE FORMATION DURING LASER ETCHING OF DIAMOND	25-May-94
5419798	08/248896	SUPPRESSION OF GRAPHITE FORMATION DURING LASER ETCHING OF DIAMOND	25-May-94
5424096	S/N: 08/261358 P/N: 5424096	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	13-Jun-94
5424096	08/261358	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	13-Jun-94
5437728	08/364568	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	27-Dec-94
5437728	08/364568	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	27-Dec-94
5437891	08/264268	CHEMICAL VAPOR DEPOSITION OF POLYCRYSTALLINE DIAMOND WITH ORIENTATION AND GROWTH FACETS	23-Jun-94
5439492	07/967461	FINE GRAIN DIAMOND WORKPIECES	28-Oct-92
5439492	07/967461	SMOOTH SURFACE CVD DIAMOND FILMS AND METHOD FOR PRODUCING SAME	28-Oct-92
5445106	08/316995	METHOD FOR MAKING HIGH THERMAL CONDUCTING DIAMOND	3-Oct-94
5451430	08/238543	METHOD FOR ENHANCING THE TOUGHNESS OF CVD DIAMOND	5-May-94
5464071	07/537963	FREE STANDING DIAMOND SHEET AND METHOD AND APPARATUS FOR MAKING SAME	13-Jun-90
5465603	08/148803	OPTICALLY IMPROVED DIAMOND WIRE DIE	5-Nov-93
5468934	08/267181	APPARATUS FOR ANNEALING DIAMOND WATER JET MIXING TUBES	15-Jun-94
5479874	08/306077	PREHEATER FOR CVD DIAMOND REACTOR	14-Sep-94
5484330	08/095631	ABRASIVE TOOL INSERT	21-Jul-93
5486137	08/271307	ABRASIVE TOOL INSERT	6-Jul-94
5486137	08/271307	ABRASIVE TOOL INSERT SEE	6-Jul-94
5490963	08/369047	PREPARATION OF THIN FREE-STANDING DIAMOND FILMS	5-Jan-95
5490963	08/369047	PREPARATION OF THIN FREE-STANDING DIAMOND FILMS	5-Jan-95
5491002	08/400555	MULTILAYER CVD DIAMOND FILMS	8-Mar-95
5491002	08/400555	MULTILAYER CVD DIAMOND FILMS	8-Mar-95
5494477	08/105523	ABRASIVE TOOL INSERT	11-Aug-93
5494753	08/262796	ARTICLES HAVING THERMAL CONDUCTORS OF GRAPHITE	20-Jun-94
5500248	08/286076	FABRICATION OF AIR BRAZABLE DIAMOND TOOL INSERTS AND INSERTS FABRICATED THEREBY	4-Aug-94
5503104	08/411181	SYNTHETIC DIAMOND PRODUCT	27-Mar-95
5508071	08/127964	CVD DIAMOND COATED ANNULUS COMPONENTS AND THEIR METHOD OF FABRICATION	28-Sep-93
5508071	08/127964	CVD DIAMOND COATING ANNULUS COMPONENTS AND METHOD OF THEIR FABRICATION	28-Sep-93
5510193	08/322841	SUPPORTED POLYCRYSTALLINE DIAMOND COMPACT HAVING A CUBIC BORON NITRIDE INTERLAYER FOR IMPROVED PHYSICAL PROPERTIES	13-Oct-94
5512235	08/239156	SUPPORTED POLYCRYSTALLINE COMPACTS HAVING IMPROVED PHYSICAL PROPERTIES AND METHOD FOR MAKING SAME	6-May-94



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## Intellectual Property - Owned - Patents

Patent Number	Application Serial Number	Title	Filing Date
5516554	08/150633	DIAMOND CRYSTAL GROWTH PROCESS	10-Nov-93
5523121	08/220946	SMOOTH SURFACE CVD DIAMOND FILMS AND METHOD FOR PRODUCING SAME	31-Mar-94
5525815	08/316998	DIAMOND FILM STRUCTURE WITH HIGH THERMAL CONDUCTIVITY	3-Oct-94
5529805	08/310449	A METHOD FOR MANUFACTURING A DIAMOND ARTICLE	22-Sep-94
5540904	08/368732	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	4-Jan-95
5544254	08/400556	CLASSIFYING AND SORTING CRYSTALLINE OBJECTS	8-Mar-95
5544254	08/400556	CLASSIFYING AND SORTING CRYSTALLINE OBJECTS	8-Mar-95
5551277	08/311658	ANNULAR DIAMOND BODIES	23-Sep-94
5560754	08/489877	REDUCTION OF STRESSES IN THE POLYCRYSTALLINE ABRASIVE LAYER OF A C COMPOSITE COMPACT IN THE IN SITU BONDED CARBIDE/CARBIDE SUPPORT	13-Jun-95
5,564,511	08/415,693	COMPOSITE POLYCRYSTALLINE COMPACT WITH IMPROVED FRACTURE AND DELAMINATION RESISTANCE	[Awaiting]
5567985	08/457551	ELECTRONIC APPARATUS WITH COMPLIANT METAL CHIP-SUBSTRATE BONDING LAYER(S)	1-Jun-95
5603070	08/595715	SUPPORTED POLYCRYSTALLINE DIAMOND COMPACT HAVING A CUBIC BORON NITRIDE INTERLAYER FOR IMPROVED PHYSICAL PROPERTIES	2-Feb-96
5626909	08/350572	FABRICATION OF BRAZABLE IN AIR TOOL INSERTS AND INSERTS FABRICATED THEREBY	7-Dec-94
5634369	08/499238	COMPOSITE DIAMOND WIRE DIE	7-Jul-95
5634370	08/499502	COMPOSITE DIAMOND WIRE DIE	7-Jul-95
5636545	08/499237	COMPOSITE DIAMOND WIRE DIE	7-Jul-95
5,645,617	08/523,868	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH IMPROVED IMPACT AND THERMAL STABILITY	[Awaiting]
5647878	08/583360	FABRICATION OF AIR BRAZABLE DIAMOND TOOL INSERTS AND INSERTS FABRICATED THEREBY	5-Jan-96
5659415	08/605417	ULTRAFast OPTICAL MODULATOR	22-Feb-96
5660075	08/412050	WIRE DRAWING DIE HAVING IMPROVED PHYSICAL PROPERTIES	28-Mar-95
5660936	08/551593	A FINE GRAIN DIAMOND TOOL AND METHOD OF MANUFACTURE	1-Nov-95
5662720	08/591879	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT	26-Jan-96
5669944	08/555672	METHOD FOR PRODUCING UNIFORMLY HIGH QUALITY ABRASIVE COMPACTS	13-Nov-95
5672395	08/654815	METHOD FOR ENHANCING THE TOUGHNESS OF CVD DIAMOND	29-May-96
5706135	08/538656	DIAMOND OPTICAL PLATE BEAMSPLITTER	3-Oct-95
5743346	08/611896	AN IMPROVED ABRASIVE CUTTING ELEMENT AND DRILL BIT	6-Mar-96
5773140	08/616997	SUPPORTED POLYCRYSTALLINE COMPACTS HAVING IMPROVED PHYSICAL PROPERTIES AND METHOD FOR MAKING SAME	14-Mar-96
5829541	08/777222	POLYCRYSTALLINE DIAMOND CUTTING ELEMENT WITH DIAMOND RIDGE PATTERN	27-Dec-96
5848657	08/777213	POLYCRYSTALLINE DIAMOND CUTTING ELEMENT	27-Dec-96
5855996	08/571312	ABRASIVE COMPACT WITH IMPROVED PROPERTIES	12-Dec-95
5858525	08/874769	SYNTHETIC GASKET MATERIAL FOR USE IN HIGH PRESSURE PRESSES TRANS FM/MEGADIAMOND	13-Jun-97
5869015	09/072144	METHOD FOR PRODUCING CUBIC BORON NITRIDE USING MELAMINE AS A CATALYST	4-May-98
5869133	08/119448	METHOD OF PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION AND THE SUPPORT MANDRELS USED THEREIN	9-Sep-93
5869133	08/119448	METHOD OF PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION AND THE SUPPORT MANDRELS USED THEREIN	9-Sep-93
5957005	08/950004	WIRE DRAWING DIE WITH NON-CYLINDRICAL INTERFACE CONFIGURATION FOR REDUCING STRESSES	14-Oct-97
5985228	07/995229	METHOD FOR CONTROLLING THE PARTICLE SIZE DISTRIBUTION IN THE PRODUCTION OF MULTICRYSTALLINE CUBIC BORON NITRIDE	22-Dec-92
6009963	08/783171	SUPERABRASIVE CUTTING ELEMENT WITH ENHANCED STIFFNESS, THERMAL CONDUCTIVITY AND CUTTING EFFICIENCY	14-Jan-97
6042463	08/975028	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH REDUCED FAILURE DURING BRAZING	20-Nov-97
6045440	08/975429	POLYCRYSTALLINE DIAMOND COMPACT (PDC) CUTTER WITH IMPROVED CUTTING CAPABILITY	20-Nov-97
6102143	09/072471	SHAPED POLYCRYSTALLINE CUTTER ELEMENTS	4-May-98
6126741	09/206721	POLYCRYSTALLINE CARBON CONVERSION	7-Dec-98
6132675	09/087776	ABRASIVE COMPACT WITH IMPROVED PROPERTIES	29-May-98

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Patent Number	Application Serial Number	Title	Filing Date
6152977	09/201384	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	30-Nov-98
6,187,068	09/167,196	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH DISCRETE PARTICLE SIZE AREAS	[Awaiting]
6196910	09/131460	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH IMPROVED CUTTING BY PREVENTING CHIP BUILD UP	10-Aug-98
6242351	09/591189	DIAMOND MICRO SLURRY FOR CHEMICAL-MECHANICAL PLANARIZATION OF SEMI CONDUCTOR WAFERS	9-Jun-00
6258721	09/472104	DIAMOND MICRO SLURRY FOR CHEMICAL-MECHANICAL PLANARIZATION OF SEMI CONDUCTOR WAFERS	27-Dec-99
6260640	09/492095	AXISYMMETRIC CUTTING ELEMENT	27-Jan-00
6314836	09/358271	WIRE DRAWING DIE WITH NON-CYLINDRICAL INTERFACE CONFIGURATION FOR REDUCING STRESSES	21-Jul-99
6315652	09/845540	ABRASIVE TOOL INSERTS AND THEIR PRODUCTION	30-Apr-01
6319608	09/570957	TITANIUM CHROMIUM ALLOY COATED DIAMOND CRYSTALS FOR USE IN SAW BLADE SEGMENTS AND METHOD FOR THEIR PRODUCTION	15-May-00
6322891	09/561128	THERMALLY-DIFFUSED BORON DIAMOND AND ITS PRODUCTION	28-Apr-00
6350191	09/484389	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	14-Jan-00
6372002	09/576794	FUNCTIONALIZED DIAMONDS WITH ENHANCED RETENTION IN RESIN BONDS, REACTIONS AND METHODS FOR PRODUCING SAME, AND ABRASIVES USING FUNCTIONALIZED DIAMONDS	23-May-00
6375446	09/740777	HIGH PRESSURE APPARATUS HAVING TRANSITION SLOPE BINDING RING THAT MITIGATES TENSILE STRESSES AND CORRESPONDING METHOD	19-Dec-00
6377340	09/430477	METHOD OF DETECTION OF NATURAL DIAMONDS THAT HAVE BEEN PROCESSED AT HIGH PRESSURE AND HIGH TEMPERATURES	29-Oct-99
6406776	09/484392	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	14-Jan-00
6475254	09/987863	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND USE THEREOF IN VITREOUS MATRIX COMPOSITES	16-Nov-01
6541115	09/793312	METAL-INFILTRATED POLYCRYSTALLINE DIAMOND COMPOSITE TOOL FORMED FROM COATED DIAMOND PARTICLES	26-Feb-01
6596040	10/174914	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND USE THEREOF IN VITREOUS MATRIX COMPOSITES	19-Jun-02
6666753	09/776141	SILVER-COATED ABRASIVES, TOOLS CONTAINING SILVER-COATED ABRASIVES, AND APPLICATIONS OF THESE TOOLS	2-Feb-01
D317010	7/192872	STUD-MOUNTED POLYCRYSTALLINE TOOTHED DIAMOND CUTTING BLANKS	11-May-88
D324056	332828	INTERLOCKING MOUNTED ABRASIVE COMPACTS	3-Apr-89
D324527	7/328348	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANK	24-Mar-89
D325226	332814	INTERLOCKING MOUNTED ABRASIVE COMPACTS	3-Apr-89
D330206	328347	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANKS	24-Mar-89

# Exhibit A

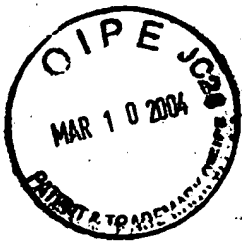
## Intellectual Property - Owned - Patents

Patent Number	Application Serial Number	Title	Filing Date
	10/437469	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	8-Jul-03
	10/014547	METHOD AND APPARATUS FOR CUTTING GRANITE	14-Dec-01
	10/001573	LOW OXYGEN CUBIC BORON NITRIDE	2-Nov-01
	10/183,098	MATRIX CUTTER	[Awaiting]
	10/255431	METAL-INFILTRATED POLYCRYSTALLINE DIAMOND COMPOSITE TOOL FORMED FROM COATED DIAMOND PARTICLES	26-Sep-02
	10/161,266	ENHANCED METHOD FOR MAKING CVD DIAMOND	[Awaiting]
	10/069362	HIGH PRESSURE/HIGH TEMPERATURE PRODUCTION OF COLORED DIAMONDS	25-Aug-00
	10/338136	HIGH PRESSURE/HIGH TEMPERATURE PRODUCTION OF COLORLESS AND FANCY COLORED DIAMONDS	8-Jan-03
	10/344249	HIGH PRESSURE AND HIGH TEMPERATURE PRODUCTION OF DIAMONDS	11-Feb-03
	10/437516	A SINTERED COMPACT FOR USE IN MACHINING CHEMICALLY REACTIVE MATERIALS	14-May-03
	09/737667	JADEITE AND ITS PRODUCTION	15-Dec-00
	09/799192	JADEITE AND ITS PRODUCTION	5-Mar-01
	09/931312	HIGH PRESSURE PRODUCTION OF PEROVSKITES	16-Aug-01
	09/988244	CRYSTAL MIXING FOR LOW POWER GRINDING	16-Nov-01
	09/729525	ABRASIVE DIAMOND COMPOSITE AND METHOD OF MAKING THEREOF	4-Dec-00
	09/935957	BORON DOPED BLUE DIAMOND AND ITS PRODUCTION	23-Aug-01
	09/783441	SURFACE ENRICHED DIAMOND AND METHOD OF MAKING	14-Feb-01
	09/901159	SURFACE MODIFICATION OF COATED ABRASIVES TO ENHANCE THEIR ADHESION IN RESIN BOND TOOLS	9-Jul-01
	08/779417	COATED CBN POLYCRYSTALLINE SUPERABRASIVE TOOLS	7-Jan-97
	60/445609	WEAR AND CORROSION PREVENTION IN FIREARMS	7-Feb-03
	60/445633	WEAR AND CORROSION RESISTANT ORIFICE AND RELATED COMPONENTS	7-Feb-03
	60/445614	WEAR CONTROL IN CONTINUOUS GLASS FIBER PLANTS	7-Feb-03
	60/445659	WEAR-RESISTANT DRILL BIT BODIES AND OTHER COMPONENTS FOR OIL AND GAS DRILLING	7-Feb-03
	60/470306	SUPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELIMINATE HOT-BRAZING IN TOOL FABRICATION	14-May-03
	60/139654	METHOD AND APPARATUS FOR CUTTING GRANITE	17-Jun-99
	60/467311	A METHOD OF MAKING ABRASIVE TOOLS FROM BI-MODAL DIAMOND OR CUBIC BORON NITRIDE POWDER	2-May-03
	60/445632	AIRCRAFT ENGINE WEAR PARTS	7-Feb-03
	60/440455	ARTICLES COMPRISING AN ABRASION-RESISTANT RESINOUS SKIN INTEGRALLY BONDED WITH GRADED INTERFACE TO A RESINOUS CORE MATERIAL	15-Jan-03
	60/464517	ARTICLES COMPRISING AN ABRASION-RESISTANT RESINOUS SKIN INTEGRALLY BONDED WITH GRADED INTERFACE TO A RESINOUS CORE MATERIAL	22-Apr-03
	60/445610	CLIPPER BLADE SETS AND COMBS WITH IMPROVED WEAR RESISTANCE	7-Feb-03
	60/469285	COATINGS WITH HIGHLY TORTUOUS SURFACE TOPOGRAPHY FOR ABRASIVE/SUPERABRASIVE PARTICLES USED IN METALS/CERAMIC/POLYMER MATRIX COMPOSITES	8-May-03
	60/447808	IMPROVED WEAR PERFORMANCE TOOLS FOR METAL, PLASTIC, CERAMIC AND COMPOSITE FORMING	14-Feb-03
	60/445615	IMPROVED WEAR RESISTANT COMPONENTS FOR SIZE REDUCTION AND SIZE CLASSIFICATION EQUIPMENT	7-Feb-03
	60/445631	EXTRUSION AND COMPOUNDING EQUIPMENT COMPONENTS WITH IMPROVED WEAR RESISTANCE	7-Feb-03
	60/224485	HIGH PRESSURE AND HIGH TEMPERATURE PRODUCTION OF DIAMONDS	11-Aug-00
	60/399778	SCRATCH-PROOF COMPOSITE WATCH GLASS	31-Jul-02
	60/469287	DRILL BITS, ROUTER BITS, PROFILE CUTTERS, FILES, PLANING AND SAW BLADES WITH IMPROVED WEAR RESISTANCE	9-May-03
	60/445613	PCD AND PCBN TOOL BLANKS WITH PREFIXED BRAZE ALLOY	7-Feb-03

**Exhibit A**

**Intellectual Property - Owned - Patents**

Patent Number	Application Serial Number	Title	Filing Date
	60/ <u>528,372</u>	COMPRESSION CONTAINER FOR POLYCRYSTALLINE WIRE DIE	10-Dec-03
	60/ <u>453,487</u>	IMPROVED TOOLS FOR MACHINING FIBER CEMENTS	11-Mar-03
	10/ <u>621,710</u>	METHOD FOR PRODUCING SINTERED POLYCRYSTALLING DIAMOND ON TUNGSTEN CARBIDE SUBSTRATES	17-Jul-03
	60/ <u>495,148</u>	METHOD TO IMPROVE TOOL INTEGRITY WHEN CUTTING STONE	14-Aug-03
	10/ <u>734,066</u>	METHOD TO IMPROVE WEAR UNIFORMITY OF DIAMOND-CONTAINING SEGMENTS ON BLADES FOR STABBING GRANITE	9-Dec-03
	60/ <u>495,148</u>	METHOD TO STABILIZE FRAME SAW BLADES DURING CUT INITIATION	14-Aug-03
	60/ <u>509,625</u>	SELECTION OF DIAMONDS GRIT MORPHOLOGY AND SIZE DISTRIBUTION FOR CMP CONDITIONER APPLICATION	8-Oct-03
	60/ <u>526,576</u>	SINTERED COMPACT FOR USE IN MACHINING VARIOUS CAST IRON MATERIALS	3-Dec-03
	10/ <u>690,761</u>	SUPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELIMINATE HOT-BRAZING IN TOOL FABRICATION	22-Oct-03



**ASSIGNMENT PATENTS**  
**GE SUPERABRASIVES, INC. TO**  
**DIAMOND INNOVATIONS, INC.**

This Assignment, effective the 31<sup>st</sup> day of Dec., 2003, is by and between GE SUPERABRASIVES, INC., a Corporation, having its principal corporate business address at 187 Danbury Road, Second Floor, Wilton, Connecticut, 06897 ("Assignor"), and DIAMOND INNOVATIONS, INC., a Delaware Corporation, having its principal corporate business address at 6325 Huntley Road, Worthington, Ohio, 46085 ("Assignee") (and collectively, "the Parties").

WHEREAS, Assignor and Assignee are parties to a certain Purchase Agreement dated as of September 24, 2003 (the "Purchase Agreement"), pursuant to which Assignee has agreed to purchase certain assets of Assignor, and Assignor has agreed to cause the same to be transferred, assigned and contributed to Assignee;

WHEREAS, Assignor is the sole owner of all right, title and interest in and to the pending patent applications identified in Appendix A and issued patents identified in Appendix B attached hereto, including all inventions referenced therein and letters patent issued thereon and applications for letters patent applied for with respect thereto, throughout the world, and all reissues, divisions, continuations, continuations-in-part, renewals, extensions, substitutions, and re-examinations of any of the foregoing throughout the world ("Patents");

WHEREAS, pursuant to the Purchase Agreement, Assignor desires to assign and transfer to Assignee all of its right, title and interest in and to the Patents, and Assignee desires to acquire the same;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties agree as follows:

Without limiting the foregoing, the Assignor hereby sells, assigns and transfers to Assignee, its successors, assigns and legal representatives, all right, title and interest in and to the Patents, together with all rights to sue for past infringement of said Patents and all causes of action (either at law or equity) with respect thereto, the right of recovery, including but not limited to damages, for such past infringement, and the right to assign the rights conveyed herein, the same to be held and enjoyed by Assignee for its own use and benefit and for the use

and benefit of its successors, assigns and legal representatives. Assignor hereby authorizes the Assignee to record ownership of the Patents directly in Assignee's own name in any jurisdiction, municipality or agency, in which recordation is required.

IN WITNESS HEREOF, the parties hereto have duly executed this Agreement as of the Effective Date.

Signed at New York, NY on this 31<sup>st</sup> day of DECEMBER, 2003.

GE SUPERABRASIVES, INC.  
Assignor

By: W. Carst

Name: William C. Carstanjen

Title: Vice President, Secretary

AGREED AND ACCEPTED:

Signed at Worthington, Ohio on this 8th day of February, 2004.

DIAMOND INNOVATIONS, INC.

By: Tanya D. Fratto

Name: TANYA D. Fratto

Title: President & CEO

STATE OF New York )  
COUNTY OF New York )

ss:

BEFORE ME, the undersigned authority, on this day personally appeared William C. Carstanjen, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledges to me that he executed same for the purposes and consideration therein expressed in the capacity therein stated and as an act and deed of said corporation.

Given under my hand and seal of Office this 31<sup>st</sup> day of December, 2003.

*Molly B. Chase*

Notary Public

My Commission Expires: 5/27/07

STATE OF )  
COUNTY OF )

ss:

MOLLY B. CHASE  
Notary Public, State of New York  
No. 01CH6092796  
Qualified in Queens County  
Commission Expires 05/27/2007

BEFORE ME, the undersigned authority, on this day personally appeared TANIA  
D. FERRATO, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledges to me that he executed same for the purposes and consideration therein expressed in the capacity therein stated and as an act and deed of such corporation.

Given under my hand and seal of Office this 9 day of Feb, 2004.



KAREN PREEST  
Notary Public, State of Ohio  
My Commission Expires 09-09-08

*Karen Preest*  
Notary Public

My Commission Expires:

## **APPENDIX A**



Docel Number	Title	Filing Country	Country Code	Filing No./Type/SNPN	Filing Date	Agent	Comments
112200 [Filed]	POLYCRYSTALLINE DIAMOND TIPS ON CUTTERS FOR HIGH SPEED DISC SAWHEADS FOR APPLICATION IN THE TIMBER INDUSTRY	United States	US	Provisional [Filed] S/N: 60/473511	23-May-03		
123571 [Filed]	AUTOCATALYTIC NICKEL-BORON COATING PROCESS FOR DIAMOND PARTICLES	United States	US	Provisional [Filed] S/N: 60/438957	9-Jan-03		
123989 [Filed]	LASER SUPPORT NICKEL-PLATING OF SUPERABRASIVE TOOL	United States	US	S/N: 10/172,034	14-Jun-02		
124337 [Filed]	CUTTING TOOL INSERT DESIGNED WITH MINIMIZED RESIDUAL TENSILE STRESSES	United States	US	Provisional [Filed] S/N: 60/395,182	10-Jul-02		
124337 [Filed]	CUTTING TOOL INSERT DESIGNED WITH MINIMIZED RESIDUAL TENSILE STRESSES	United States	US	S/N: 10/458903 P/N: 6666763	11-Jun-03		
125174 [Filed]	CUTTING TOOL WITH TWO-SLOPE PROFILE DESIGNED WITH MINIMIZED AXIAL SURFACE RESIDUAL STRESSES	United States	US	Provisional [Filed] S/N: 60/395,181	10-Jul-02		
125174 [Filed]	CUTTING TOOL WITH TWO-SLOPE PROFILE DESIGNED WITH MINIMIZED AXIAL SURFACE RESIDUAL STRESSES	United States	US	S/N: 10/455008	5-Jun-03		
125185 [Filed]	METHOD TO IMPROVE WEAR UNIFORMITY OF DIAMOND-CONTAINING SEGMENTS ON BLADES FOR STABBING GRANITE	United States	US	Provisional [Filed] S/N: 60/432222	10-Dec-02		
125185 [Filed]	METHOD TO IMPROVE WEAR UNIFORMITY OF DIAMOND-CONTAINING SEGMENTS ON BLADES FOR STABBING GRANITE	United States	US	S/N 10/731,066	9-Dec-03		
125877 [Filed]	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	United States	US	Provisional [Filed] S/N: 60/382209	21-May-02		
125877 [Filed]	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	United States	US	S/N: 10/437469	8-Jul-03		
125877 [Filed]	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	United States	US	125877 -7 Original [Filed]			
126337 [Filed]	SCRATCH-PROOF COMPOSITE WATCH GLASS	United States	US	Provisional [Filed] S/N: 60/399778	31-Jul-02		
126360 [Filed]	A SINTERED COMPACT FOR USE IN MACHINING CHEMICALLY REACTIVE MATERIALS	United States	US	Provisional [Filed] S/N: 60/391707	26-Jun-02		
126360 [Filed]	A SINTERED COMPACT FOR USE IN MACHINING CHEMICALLY REACTIVE MATERIALS	United States	US	S/N: 10/437516	14-May-03		
126855 [Filed]	METHOD FOR PRODUCING SINTERED POLYCRYSTALLING DIAMOND ON TUNGSTEN CARBIDE SUBSTRATES	United States	US	Provisional [Filed] S/N: 60/414987	1-Oct-02		
126855 [Filed]	METHOD FOR PRODUCING SINTERED POLYCRYSTALLING DIAMOND ON TUNGSTEN CARBIDE SUBSTRATES	United States	US	S/N 10/621,710	17-Jul-03		
129177 [Filed]	EXTRUSION AND COMPOUNDING EQUIPMENT COMPONENTS WITH IMPROVED WEAR RESISTANCE	United States	US	Provisional [Filed] S/N: 60/445631	7-Feb-03		
129178 [Filed]	IMPROVED WEAR RESISTANT COMPONENTS FOR SIZE REDUCTION AND SIZE CLASSIFICATION EQUIPMENT	United States	US	Provisional [Filed] S/N: 60/445615	7-Feb-03		

Order Number	Title	Filing Country	Country Code	Filing No./Type/SN/UPN	Filing Date	Agent	Comments
129182 [Filed]	WEAR CONTROL IN CONTINUOUS GLASS FIBER PLANTS	United States	US	Provisional [Filed] SN: 60/445614	7-Feb-03		
129184 [Filed]	WEAR-RESISTANT DRILL BIT BODIES AND OTHER COMPONENTS FOR OIL AND GAS DRILLING	United States	US	Provisional [Filed] SN: 60/445659	7-Feb-03		
129892 [Filed]	WEAR AND CORROSION RESISTANT ORIFICE AND RELATED COMPONENTS	United States	US	Provisional [Filed] SN: 60/445633	7-Feb-03		
130335 [Filed]	ARTICLES COMPRISING AN ABRASION-RESISTANT RESINOUS SKIN INTEGRALLY BONDED WITH GRADED INTERFACE TO A RESINOUS CORE MATERIAL	United States	US	Provisional [Filed] SN: 60/440455	15-Jan-03		
130335 [Filed]	ARTICLES COMPRISING AN ABRASION-RESISTANT RESINOUS SKIN INTEGRALLY BONDED WITH GRADED INTERFACE TO A RESINOUS CORE MATERIAL	United States	US	Provisional [Filed] SN: 60/464517	22-Apr-03		
131068 [Filed]	WEAR AND CORROSION PREVENTION IN FIREARMS	United States	US	Provisional [Filed] SN: 60/445609	7-Feb-03		
132255 [Filed]	AIRCRAFT ENGINE WEAR PARTS	United States	US	Provisional [Filed] SN: 60/445632	7-Feb-03		
132270 [Filed]	CLIPPER BLADE SETS AND COMBS WITH IMPROVED WEAR RESISTANCE	United States	US	Provisional [Filed] SN: 60/445610	7-Feb-03		
132875 [Filed]	SELECTION OF DIAMONDS GRIT MORPHOLOGY AND SIZE DISTRIBUTION FOR CMP CONDITIONER APPLICATION	United States	US	Provisional [Filed] SN: 60/509,625	8-Oct-03		
133139 [Filed]	IMPROVED WEAR PERFORMANCE TOOLS FOR METAL, PLASTIC, CERAMIC AND COMPOSITE FORMING	United States	US	Provisional [Filed] SN: 60/447808	14-Feb-03		
133140 [Filed]	PCD AND PCBN TOOL BLANKS WITH PREFIXED BRAZE ALLOY	United States	US	Provisional [Filed] SN: 60/445613	7-Feb-03		
133141 [Filed]	COATINGS WITH HIGHLY TORTUOUS SURFACE TOPOGRAPHY FOR ABRASIVE/SUPERABRASIVE PARTICLES USED IN METALS/CERAMIC/POLYMER MATRIX COMPOSITES	United States	US	Provisional [Filed] SN: 60/469285	8-May-03		
133615 [Filed]	IMPROVED TOOLS FOR MACHINING FIBER CEMENTS	United States	US	Provisional [Filed] SN: 60/453,487	11-Mar-03		
133794 [Filed]	SUPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELIMINATE HOT-BRAZING IN TOOL FABRICATION	United States	US	Provisional [Filed] SN: 60/470306	14-May-03		
133794 [Filed]	SUPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELIMINATE HOT-BRAZING IN TOOL FABRICATION	United States	US	SN 10/690,761	22-Oct-03		
133920 [Filed]	DRILL BITS, ROUTER BITS, PROFILE CUTTERS, FILES, PLANING AND SAW BLADES WITH IMPROVED WEAR RESISTANCE	United States	US	Provisional [Filed] SN: 60/469287	9-May-03		
133975 [Filed]	METHOD TO IMPROVE TOOL INTEGRITY WHEN CUTTING STONE	United States	US	Provisional [Filed] SN: 60/495,448	14-Aug-03		
135143 [Filed]	A METHOD OF MAKING ABRASIVE TOOLS FROM BI-MODAL DIAMOND OR CUBIC BORON NITRIDE POWDER	United States	US	Provisional [Filed] SN: 60/467311	2-May-03		

Docet Number	Title	Filing Country	Country Code	Filing No./Type/SN/PN	Filing Date	Agent	Comments
136255 [Filed]	SINTERED COMPACT FOR USE IN MACHINING VARIOUS CAST IRON MATERIALS	United States	US	Provisional (Pnd) SN 64/526576	3-Dec-03		
145361 [Filed]	COMPRESSION CONTAINER FOR POLYCRYSTALLINE WIRE DIE	United States	US	Provisional (Pnd) SN 60/528372	10-Dec-03		
60SD10 [Filed]	DIAMOND AND CBN ABRASIVE COMPACTS USING SIZE SELECTIVE ABRASIVE PARTICLE LAYERS	United States	US	SN: 219289 P/N: 4311490	7-Sep-88		
60SD147 [Filed]	RE-SINTERED BORON-RICH POLYCRYSTALLINE CUBIC BORON NITRIDE AND MET HOD FOR MAKING SAME	United States	US	SN: 823893 P/N: 4673414	29-Jan-86		
60SD184 [Filed]	GANG SAW FOR CUTTING BLOCKS OF STONE	United States	US	SN: 515448 P/N: 4498450	20-Jul-83		
60SD240 [Filed]	PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	US	SN: 542081 P/N: 4525179	14-Oct-83		
60SD242 [Filed]	PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	US	SN: 488003 P/N: 4536442	2-May-83		
60SD245 [Filed]	MERGED WITH 60-SD-259 FOR FILING	United States	US	SN: 818850 P/N: 4797326	14-Jan-86		
60SD24559 [Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS	United States	US	SN: 818850 P/N: 4797326	14-Jan-86		
60SD246 [Filed]	GANG SAW FOR CUTTING BLOCKS OF STONE	United States	US	SN: 515448 P/N: 4498450	20-Jul-83		
60SD249 [Filed]	SWEEP THROUGH PROCESS FOR MAKING POLYCRYSTALLINE COMPACTS	United States	US	SN: 536221 P/N: 4518659	23-Sep-83		
60SD251 [Filed]	IMPROVED PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	US	SN: 552081 P/N: 4525179	14-Oct-83		
60SD254 [Filed]	COATED OXIDATION-RESISTANT POROUS ABRASIVE COMPACT AND METHOD FOR MAKING SAME	United States	US	SN: 06/920041 P/N: 4738689	16-Oct-86		
60SD256 [Filed]	POLYCRYSTALLINE SANDWICH COMPACTS AND METHOD FOR MAKING SAME	United States	US	SN: 07/277875 P/N: 5009673	30-Nov-88		
60SD257 [Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	United States	US	SN: 697668 P/N: 4810447	4-Feb-85		
60SD257 [Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	United States	US	SN: 8491 P/N: 4832708	27-Jan-87		
60SD261 [Filed]	PROCESS FOR PREPARING POLYCRYSTALLINE CBN CERAMIC MASSES AND RESULTING PRODUCT	United States	US	SN: 7/366943 P/N: 5043120	16-Jun-89		
60SD262 [Filed]	BRAZED COMPOSITE COMPACT IMPLEMENTS	United States	US	SN: 624064 P/N: 4527998	25-Jun-84		
60SD303 [Filed]	REFRACTORY METAL OXIDE COATED ABRASIVES AND GRINDING WHEELS MADE THEREFROM	United States	US	SN: 07/358728 P/N: 4951427	30-May-89		
60SD305 [Filed]	STUD-MOUNTED POLYCRYSTALLINE TOOTHED DIAMOND CUTTING BLANKS	United States	US	SN: 7/192872 P/N: D317010	11-May-88		
60SD308 [Filed]	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	United States	US	SN: 7/365268 P/N: 4931363	12-Jun-89		

Docket Number	Title	Filing Country	Country Code	Filing No./Type/SUPN	Filing Date	Agent	Comments
60SD30811 [Filed]	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	United States	US	S/N: 158575 P/N: 4899922	22-Feb-88		
60SD317 [Filed]	COATED OXIDATION-RESISTANT POROUS ABRASIVE COMPACT AND METHOD FOR MAKING SAME	United States	US	S/N: 920041 P/N: 47386889	16-Oct-86		
60SD318 [Filed]	BONDING OF THERMALLY STABLE ABRASIVE COMPACTS TO CARBIDE SUPPORTS	United States	US	S/N: 07158336 P/N: 4850523	22-Feb-88		
60SD327 [Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	United States	US	S/N: 008491 P/N: 4832708	29-Jan-87		
60SD33 [Filed]	OPTICAL WINDOWS MADE OF POLYCRYSTALLINE ADAMANTANE BORON NITRIDE OR DIAMOND	United States	US	S/N: 488003 P/N: 4536442	2-May-83		
60SD332 [Filed]	METHOD OF MAKING DIAMOND TOOL	United States	US	S/N: 713966 P/N: 4661180	25-Mar-85		
60SD333 [Filed]	POLYCRYSTALLINE ABRASIVE GRIT	United States	US	S/N: 153466 P/N: 4828582	3-Feb-88		
60SD333V [Filed]	POLYCRYSTALLINE ABRASIVE GRIT	United States	US	S/N: 793462 P/N: 4828582	1-Sep-88		
60SD358 [Filed]	PRODUCTS AND PROCESS FOR MAKING MULTIGRAIN ABRASIVE COMPACTS	United States	US	S/N: 07669259 P/N: 5211726	14-Mar-91		
60SD364 [Filed]	MULTIGRAIN ABRASIVE PARTICLES	United States	US	S/N: 07669124 P/N: 5106392	14-Mar-91		
60SD367 [Filed]	CHIP BREAKER FOR POLYCRYSTALLINE CBN AND DIAMOND COMPACTS	United States	US	S/N: 71429661 P/N: 5026960	31-Oct-89		
60SD368 [Filed]	DIAMOND AND CUBIC BORON NITRIDE	United States	US	S/N: 156272 P/N: 4807402	12-Feb-88		
60SD389 [Filed]	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANKS	United States	US	S/N: 328347 P/N: D330206	24-Mar-89		
60SD390 [Filed]	RECIPROCATING POINT ROTARY DIAMOND	United States	US	S/N: 07635082 P/N: 5172681	28-Dec-90		
60SD401 [Filed]	INTERLOCKING MOUNTED ABRASIVE COMPACTS	United States	US	S/N: 332814 P/N: D325226	3-Apr-89		
60SD412 [Filed]	SAWBLADE SEGMENTS UTILIZING POLYCRYSTALLINE DIAMOND GRIT	United States	US	S/N: 262405 P/N: 4883500	25-Oct-88		
60SD419 [Filed]	SUPPORTED THERMALLY STABLE CUBIC BORON NITRIDE TOOLS BLANKS AND METHOD FOR MAKING THE SAME	United States	US	S/N: 7394349 P/N: 4985050	15-Aug-89		
60SD428 [Filed]	DIAMOND COMPACTS FOR ROCK DRILLING AND MACHINING	United States	US	S/N: 7420191 P/N: 5022894	12-Oct-89		
60SD437 [Filed]	METHOD FOR PRODUCING POLYCRYSTALLINE COMPACT TOOL BLANKS WITH FLAT CARBIDE SUPPORT/DIAMOND OR CBN INTERFACES	United States	US	S/N: 331928 P/N: 4954139	31-Mar-89		
60SD439 [Filed]	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANK	United States	US	S/N: 328348 P/N: D324527	24-Mar-89		
60SD439 [Filed]	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANK	United States	US	S/N: 7328348 P/N: 324527	24-Mar-89		
60SD440 [Filed]	INTERLOCKING MOUNTED ABRASIVE COMPACTS	United States	US	S/N: 332828 P/N: D324056	3-Apr-89		
60SD455 [Filed]	CBN/CBN COMPOSITE MASSES AND THEIR PREPARATION	United States	US	S/N: 7630916 P/N: 5106792	20-Dec-90		
60SD458 [Filed]	MULTI-LAYER METAL COATED DIAMOND ABRASIVES FOR SINTERED METAL BONDED TOOLS	United States	US	S/N: 07657132 P/N: 5250086	25-Mar-92		

Coat Number	Title	Filing Country	Country Code	Filing No/Type/SUPN	Filing Date	Agent	Comments
60SD461 [Filed]	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	United States	US	S/N: 365268 P/N: 4931363	12-Jun-89		
60SD469 [Filed]	POLYCRYSTALLINE CVD DIAMOND SUBSTRATE FOR SINGLE CRYSTAL EPITAXIAL GROWTH OF SEMICONDUCTORS FORMERLY	United States	US	S/N: 07/479486 P/N: 4981818	13-Feb-90		
60SD493 [Filed]	CVD DIAMOND COATED ANNULUS COMPONENTS AND THEIR METHOD OF FABRICATION	United States	US	S/N: 08/127964 P/N: 5508071	28-Sep-93		
60SD498 [Filed]	CVD DIAMOND FOR COATING TWIST DRILLS	United States	US	S/N: 07/563367 P/N: 5096736	7-Aug-90		
60SD498 [Filed]	CVD DIAMOND FOR COATING TWIST DRILLS	United States	US	S/N: 07/929239 P/N: 5256206	14-Aug-92		
60SD499 [Filed]	CVD DIAMOND COATED TWIST DRILLS	United States	US	S/N: 07/555879 P/N: 5022801	18-Jul-90		
60SD504 [Filed]	USING THERMALLY-STABLE DIAMOND OR CBN COMPACTS AS TIPS FOR ROTARY DRILLS	United States	US	S/N: 07/577379 P/N: 5273557	4-Sep-90		
60SD506 [Filed]	ISOTOPICALLY PURE SINGLE CRYSTAL EPITAXIAL DIAMOND FILMS AND THEIR PREPARATION	United States	US	S/N: 07/547651 P/N: 5360479	2-Jul-90		
60SD518 [Filed]	THERMALLY STABLE DENSE ELECTRICALLY CONDUCTIVE DIAMOND COMPACTS	United States	US	S/N: 07/773461 P/N: 5266236	9-Oct-91		
60SD528 [Filed]	MULTILAYER CVD DIAMOND FILMS	United States	US	S/N: 08/400555 P/N: 5491002	8-Mar-95		
60SD567 [Filed]	CHEMICALLY BONDED ADHERENT COATING FOR ABRASIVE COMPACTS AND METHOD FOR MAKING SAME	United States	US	S/N: 07/710725 P/N: 5173091	4-Jun-91		
60SD576 [Filed]	SMOOTH SURFACE CVD DIAMOND FILMS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 07/967461 P/N: 5439492	28-Oct-92		
60SD576 [Filed]	SMOOTH SURFACE CVD DIAMOND FILMS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 08/220946 P/N: 5523121	31-Mar-94		
60SD577 [Filed]	CARBON FLUORIDE COMPOSITIONS	United States	US	S/N: 08/073991 P/N: 5380557	3-Jun-93		
60SD578 [Filed]	METHOD FOR MAKING SMOOTH SUBSTRATE MANDRELS	United States	US	S/N: 07/815478 P/N: 5176803	4-Mar-92		
60SD581 [Filed]	METHOD FOR PRODUCING UNIFORM CYLINDRICAL TUBES OF CVD DIAMOND	United States	US	S/N: 08/138888 P/N: 5387447	19-Oct-93		
60SD582 [Filed]	PROCESS FOR MAKING COATED ABRASIVES FOR GRINDING WHEELS	United States	US	S/N: 08/032750 P/N: 5306318	17-Mar-93		
60SD583 [Filed]	COATING FOR IMPROVED RETENTION OF CBN IN VITREOUS BOND MATRICES	United States	US	S/N: 08/005951 P/N: 5300129	19-Jan-93		
60SD584 [Filed]	DUAL-COATED DIAMOND PELLETS AND SAW BLADE SEGMENTS MADE THEREWITH	United States	US	S/N: 07/762999 P/N: 5143523	20-Sep-91		
60SD615 [Filed]	METHOD FOR CONTROLLING THE PARTICLE SIZE DISTRIBUTION IN THE PRODUCTION OF MULTICRYSTALLINE CUBIC BORON NITRIDE	United States	US	S/N: 07/995229 P/N: 5985228	22-Dec-92		
60SD628 [Filed]	DIAMOND PELLETS AND SAW BLADE SEGMENTS MADE THEREWITH	United States	US	S/N: 07/857192 P/N: 5405573	4-May-92		
60SD633 [Filed]	MULTILAYER METAL COATED DIAMOND ABRASIVES WITH AN ELECTROLESSLY DEPOSITED METAL LAYER	United States	US	S/N: 07/857139 P/N: 5232469	25-Mar-92		

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60SD643	[Filed]	SUPPORTED POLYCRYSTALLINE DIAMOND COMPACT HAVING A CUBIC BORON NITRIDE INTERLAYER FOR IMPROVED PHYSICAL PROPERTIES	United States	US	S/N: 08/322841 P/N: 5510193	13-Oct-94		
60SD643	[Filed]	SUPPORTED POLYCRYSTALLINE DIAMOND COMPACT HAVING A CUBIC BORON NITRIDE INTERLAYER FOR IMPROVED PHYSICAL PROPERTIES	United States	US	S/N: 08/595715 P/N: 5603070	2-Feb-96		
60SD645	[Filed]	PREPARATION OF THIN FREE-STANDING DIAMOND FILMS	United States	US	S/N: 08/369047 P/N: 5490963	5-Jan-95		
60SD647	[Filed]	FINE GRAIN DIAMOND WORKPIECES	United States	US	S/N: 07/967461 P/N: 5439492	28-Oct-92		
60SD652	[Filed]	ABRASIVE TOOL INSERT SEE CIP 60SD00658	United States	US	S/N: 08/095631 P/N: 5484330	21-Jul-93		
60SD652	[Filed]	ABRASIVE TOOL INSERT SEE CIP 60SD00658	United States	US	S/N: 08/271307 P/N: 5486137	6-Jul-94		
60SD653	[Filed]	REDUCTION OF STRESSES IN THE POLYCRYSTALLINE ABRASIVE LAYER OF A COMPOSITE COMPACT IN THE IN SITU BONDED CARBIDE SUPPORT	United States	US	S/N: 08/489877 P/N: 5560754	13-Jun-95		
60SD658	[Filed]	ABRASIVE TOOL INSERT SEE CIP	United States	US	S/N: 08/105523 P/N: 5494477	11-Aug-93		
60SD660	[Filed]	PROCESS FOR PREPARING POLYCRYSTALLINE CBN CERAMIC MASSES AND RESULTING PRODUCT	United States	US	S/N: 07/985500 P/N: 5320988	1-Dec-92		
60SD662	[Filed]	METHOD OF SEPARATION OF PIECES FROM SUPER HARD MATERIAL BY PARTIAL LASER CUT AND PRESSURE CLEAVAGE	United States	US	S/N: 08/060459 P/N: 5387776	11-May-93		
60SD664	[Filed]	CLASSIFYING AND SORTING CRYSTALLINE OBJECTS	United States	US	S/N: 08/400556 P/N: 5544254	8-Mar-95		
60SD665	[Filed]	MEASURING THE STRENGTH OF ABRASIVE GRAINS	United States	US	S/N: 08/016638 P/N: 5392633	12-Feb-93		
60SD669	[Filed]	PROCESS FOR MAKING COATED ABRASIVES FOR GRINDING WHEELS	United States	US	S/N: 08/032750 P/N: 5306318	17-Mar-93		
60SD690	[Filed]	MULTIPLE GRAINED DIAMOND WIRE DIE	United States	US	S/N: 08/143802 P/N: 5361621	27-Oct-93		
60SD691	[Filed]	OPTICALLY IMPROVED DIAMOND WIRE DIE	United States	US	S/N: 08/148803 P/N: 5465603	5-Nov-93		
60SD693	[Filed]	ABRASIVE COMPACT WITH IMPROVED PROPERTIES	United States	US	S/N: 08/571312 P/N: 5855996	12-Dec-95		
60SD693	[Filed]	ABRASIVE COMPACT WITH IMPROVED PROPERTIES	United States	US	S/N: 09/087776 P/N: 6132675	29-May-98		
60SD694	[Filed]	DIAMOND WIRE DIE	United States	US	S/N: 08/121014 P/N: 5363687	14-Sep-93		
60SD696	[Filed]	ABRASIVE TOOL INSERT	United States	US	S/N: 08/271307 P/N: 5486137	6-Jul-94		
60SD698	[Filed]	CVD DIAMOND COATING ANNULUS COMPONENTS AND METHOD OF THEIR FABRICATION	United States	US	S/N: 08/127964 P/N: 5508071	28-Sep-93		
60SD701	[Filed]	DIAMOND WIRE DIE WITH POSITIONED OPENING	United States	US	S/N: 08/144168 P/N: 5377522	27-Oct-93		
60SD708	[Filed]	A METHOD FOR MANUFACTURING A DIAMOND ARTICLE	United States	US	S/N: 08/310449 P/N: 5529805	22-Sep-94		
60SD709	[Filed]	FABRICATION OF AIR BRAZABLE DIAMOND TOOL INSERTS AND INSERTS FABRICATED THEREBY	United States	US	S/N: 08/286076 P/N: 5500248	4-Aug-94		
60SD709	[Filed]	FABRICATION OF AIR BRAZABLE DIAMOND TOOL INSERTS AND INSERTS FABRICATED THEREBY	United States	US	S/N: 08/583360 P/N: 5647878	5-Jan-96		

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60SD712 [Filed]	METHOD FOR ENHANCING THE TOUGHNESS OF CVD DIAMOND	United States	US	S/N: 08/238543 P/N: 5451430	5-May-94		
60SD713 [Filed]	METHOD FOR ENHANCING THE TOUGHNESS OF CVD DIAMOND	United States	US	S/N: 08/654815 P/N: 5672395	29-May-96		
60SD714 [Filed]	ANNULAR DIAMOND BODIES	United States	US	S/N: 08/311658 P/N: 5551277	23-Sep-94		
60SD715 [Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS HAVING IMPROVED PHYSICAL PROPER TIES AND METHOD FOR MAKING SAME	United States	US	S/N: 08/239156 P/N: 5512235	6-May-94		
60SD715 [Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS HAVING IMPROVED PHYSICAL PROPER TIES AND METHOD FOR MAKING SAME	United States	US	S/N: 08/616997 P/N: 5773140	14-Mar-96		
60SD721 [Filed]	WIRE DRAWING DIE HAVING IMPROVED PHYSICAL PROPERTIES NO DIVISIONAL DUE PER GLL	United States	US	S/N: 08/412050 P/N: 5660075	28-Mar-95		
60SD726 [Filed]	A FINE GRAIN DIAMOND TOOL AND METHOD OF MANUFACTURE	United States	US	S/N: 08/551593 P/N: 5660936	1-Nov-95		
60SD728 [Filed]	PREPARATION OF THIN FREE-STANDING DIAMOND FILMS	United States	US	S/N: 08/369047 P/N: 5490963	5-Jan-95		
60SD731 [Filed]	CLASSIFYING AND SORTING CRYSTALLINE OBJECTS	United States	US	S/N: 08/400556 P/N: 5544254	8-Mar-95		
60SD732 [Filed]	MULTILAYER CVD DIAMOND FILMS	United States	US	S/N: 08/400555 P/N: 5491002	8-Mar-95		
60SD745 [Filed]	METHOD FOR PRODUCING UNIFORMLY HIGH QUALITY ABRASIVE COMPACTS	United States	US	S/N: 08/555672 P/N: 5669944	13-Nov-95		
60SD749 [Filed]	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH REDUCED FAILURE DURING BRAZING	United States	US	S/N: 08/975028 P/N: 6042463	20-Nov-97		
60SD750 [Filed]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT NO DIV DUE PER EPA 5/1/97	United States	US	S/N: 08/591879 P/N: 5662720	26-Jan-96		
60SD752 [Filed]	POLYCRYSTALLINE DIAMOND COMPACT (PDC) CUTTER WITH IMPROVED CUTTING CAPABILITY	United States	US	S/N: 08/975429 P/N: 6045440	20-Nov-97		
60SD753 [Filed]	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH IMPROVED CUTTING BY PREVENTING CHIP BUILD UP	United States	US	S/N: 09/131460 P/N: 6196910	10-Aug-98		
60SD760A [Filed]	POLYCRYSTALLINE DIAMOND CUTTING ELEMENT	United States	US	S/N: 08/777213 P/N: 5648657	27-Dec-96		
60SD768 [Filed]	AN IMPROVED ABRASIVE CUTTING ELEMENT AND DRILL BIT	United States	US	S/N: 08/611896 P/N: 5743346	6-Mar-96		
60SD769 [Filed]	POLYCRYSTALLINE DIAMOND CUTTING ELEMENT WITH DIAMOND RIDGE PATTERN	United States	US	S/N: 08/777222 P/N: 5629541	27-Dec-96		
60SD772 [Filed]	COATED CBN POLYCRYSTALLINE SUPERABRASIVE TOOLS	United States	US	S/N: 08/779417	7-Jan-97		
60SD772 [Filed]	COATED CBN POLYCRYSTALLINE SUPERABRASIVE TOOLS	United States	US	S/N: 10/411471	8-Apr-03		
60SD774 [Filed]	METHOD FOR PRODUCING CUBIC BORON NITRIDE USING MELAMINE AS A CATALYST	United States	US	S/N: 09/072144 P/N: 5669015	4-May-98		
60SD784 [Filed]	SYNTHETIC GASKET MATERIAL FOR USE IN HIGH PRESSURE PRESSES TRANS FMMEGADIAMOND	United States	US	S/N: 08/874769 P/N: 5658525	13-Jun-97		

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60SD785 [Filed]	THERMALLY-DIFFUSED BORON DIAMOND AND ITS PRODUCTION	United States	US	S/N: 09/561128 P/N: 6322891	28-Apr-00		
60SD787 [Filed]	SUPERABRASIVE CUTTING ELEMENT WITH ENHANCED STIFFNESS, THERMAL CONDUCTIVITY AND CUTTING EFFICIENCY	United States	US	S/N: 08/783171 P/N: 6009963	14-Jan-97		
60SD788 [Filed]	WIRE DRAWING DIE WITH NON-CYLINDRICAL INTERFACE CONFIGURATION FOR REDUCING STRESSES	United States	US	S/N: 08/950004 P/N: 5957005	14-Oct-97		
60SD788 [Filed]	WIRE DRAWING DIE WITH NON-CYLINDRICAL INTERFACE CONFIGURATION FOR REDUCING STRESSES	United States	US	S/N: 09/356271 P/N: 6314836	21-Jul-99		
60SD794 [Filed]	AXISYMMETRIC CUTTING ELEMENT	United States	US	S/N: 09/492095 P/N: 6260640	27-Jan-00		
60SD795 [Filed]	SHAPED POLYCRYSTALLINE CUTTER ELEMENTS	United States	US	S/N: 09/072471 P/N: 6102143	4-May-98		
60SD796 [Filed]	TITANIUM CHROMIUM ALLOY COATED DIAMOND CRYSTALS FOR USE IN SAW BLADE SEGMENTS AND METHOD FOR THEIR PRODUCTION	United States	US	S/N: 09/570957 P/N: 6319608	15-May-00		
60SD802 [Filed]	HIGH PRESSURE/HIGH TEMPERATURE PRODUCTION OF COLORLESS AND FANCY COLORED DIAMONDS	United States	US	S/N: 10/338136	8-Jan-03		
60SD805 [Filed]	HIGH PRESSURE APPARATUS HAVING TRANSITION SLOPE BINDING RING THAT MITIGATES TENSILE STRESSES AND CORRESPONDING METHOD	United States	US	S/N: 09/740777 P/N: 6375446	19-Dec-00		
60SD806 [Filed]	LOW OXYGEN CUBIC BORON NITRIDE	United States	US	S/N: 10/001573	2-Nov-01		
60SD811 [Filed]	CRYSTAL MIXING FOR LOW POWER GRINDING	United States	US	S/N: 09/988244	16-Nov-01		
60SD812 [Filed]	METHOD AND APPARATUS FOR CUTTING GRANITE	United States	US	S/N: 60/139654	17-Jun-99		
60SD812 [Filed]	METHOD AND APPARATUS FOR CUTTING GRANITE	United States	US	S/N: 10/014547	14-Dec-01		
60SD817 [Filed]	HIGH PRESSURE/HIGH TEMPERATURE PRODUCTION OF COLORED DIAMONDS	United States	US	S/N: 10/069362	25-Aug-00		
60SD820 [Filed]	SURFACE MODIFICATION OF COATED ABRASIVES TO ENHANCE THEIR ADHESION IN RESIN BOND TOOLS	United States	US	S/N: 09/901159	9-Jul-01		
60SD827 [Filed]	ABRASIVE TOOL INSERTS AND THEIR PRODUCTION	United States	US	S/N: 09/845540 P/N: 6315652	30-Apr-01		
60SD831 [Filed]	HIGH PRESSURE AND HIGH TEMPERATURE PRODUCTION OF DIAMONDS	United States	US	S/N: 60/224485	11-Aug-00		
60SD831 [Filed]	HIGH PRESSURE AND HIGH TEMPERATURE PRODUCTION OF DIAMONDS	United States	US	S/N: 10/344249	11-Feb-03		
60SD838 [Filed]	SILVER-COATED ABRASIVES, TOOLS CONTAINING SILVER-COATED ABRASIVES, AND APPLICATIONS OF THESE TOOLS	United States	US	S/N: 09/776141 P/N: 6668753	2-Feb-01		
60SD839 [Filed]	JADEITE AND ITS PRODUCTION	United States	US	S/N: 09/737667	15-Dec-00		
60SD839 [Filed]	JADEITE AND ITS PRODUCTION	United States	US	S/N: 09/799192	5-Mar-01		
60SD845 [Filed]	BORON DOPED BLUE DIAMOND AND ITS PRODUCTION	United States	US	S/N: 09/935957	23-Aug-01		



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60SD845 [Filed]	BORON DOPED BLUE DIAMOND AND ITS PRODUCTION	United States	US	S/N: 10262784	2-Oct-02		
60SD851 [Filed]	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND USE THEREOF IN VITREOUS MATRIX COMPOSITES	United States	US	S/N: 09/987863 P/N: 6475254	16-Nov-01		
60SD851 [Filed]	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND USE THEREOF IN VITREOUS MATRIX COMPOSITES	United States	US	S/N: 10/174914 P/N: 6596040	19-Jun-02		
60SD852 [Filed]	HIGH PRESSURE PRODUCTION OF PEROVSKITES	United States	US	S/N: 09/931312	16-Aug-01		
RD14877 [Filed]	SINTERED POLYCRYSTALLINE DIAMOND COMPACT CONSTRUCTION WITH INTEGRAL HEAT SINK	United States	US	S/N: 652242 P/N: 4605343	20-Sep-84		
RD16334 [Filed]	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	US	S/N: 830414 P/N: 4600691	13-Feb-86		
RD17340 [Filed]	DIAMOND CRYSTAL GROWTH PROCESS	United States	US	S/N: 07/332914 P/N: 5261959	4-Apr-89		
RD17340 [Filed]	DIAMOND CRYSTAL GROWTH PROCESS	United States	US	S/N: 08/150633 P/N: 5516554	10-Nov-93		
RD18037 [Filed]	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	US	S/N: 48176 P/N: 4797138	11-May-87		
RD18037 [Filed]	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	US	S/N: 07/048176 P/N: 4797138	11-May-87		
RD18116 [Filed]	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 07/744815 P/N: 5310447	12-Aug-91		
RD18402 [Filed]	EXCIMER LASER PATTERNING OF A NOVEL RESIST	United States	US	S/N: 224416 P/N: 4842677	26-Jul-88		
RD18693 [Filed]	METHOD FOR IMPROVING ADHESION OF SYNTHETIC DIAMOND COATINGS TO SUBSTRATES	United States	US	S/N: 07/653556 P/N: 5190823	11-Feb-91		
RD19369 [Filed]	TRANSPARENT DIAMOND FILMS AND METHOD FOR MAKING	United States	US	S/N: 07/407179 P/N: 5110579	14-Sep-89		
RD19369 [Filed]	TRANSPARENT DIAMOND FILMS AND METHOD FOR MAKING	United States	US	S/N: 07/859753 P/N: 5273731	30-Mar-92		
RD19567 [Filed]	FREE STANDING DIAMOND SHEET AND METHOD AND APPARATUS FOR MAKING SA ME	United States	US	S/N: 07/537963 P/N: 5464071	13-Jun-90		
RD20142 [Filed]	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 08/163608 P/N: 5419276	6-Dec-93		
RD20142 [Filed]	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 08/368732 P/N: 5540904	4-Jan-95		
RD20790 [Filed]	APPARATUS FOR PRODUCING DIAMONDS BY CHEMICAL VAPOR DEPOSITION AND ARTICLES PRODUCED THEREFROM	United States	US	S/N: 07/948077 P/N: 5204145	21-Sep-92		
RD20983 [Inactivated]	ARTIFICIAL POLYMER LATTICES IN CORE-SHELL FORM AND METHOD OF PREPARATION	United States	US	S/N: 07/980,444 P/N: 5356955	23-Nov-93		
RD21018 [Filed]	METHOD FOR IMPROVING ADHESION OF SYNTHETIC DIAMOND COATINGS TO SUBSTRATES	United States	US	S/N: 07/653556 P/N: 5190823	11-Feb-91		
RD21033 [Filed]	IMPROVED METHOD OF APPLYING METAL COATINGS ON DIAMOND AND ARTICLES MADE THEREFROM	United States	US	S/N: 07/722575 P/N: 5190796	27-Jun-91		

Booklet Number	Title	Filing Country	Country Code	Filing No./Type/SUPN	Filing Date	Agent	Comments
RD21034 [Filed]	METHOD OF PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION AND THE SUPPORT MANDRELS USED THEREIN	United States	US	S/N: 08/119448 P/N: 5869133	9-Sep-93		
RD21356 [Filed]	METHOD FOR PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION	United States	US	S/N: 07/845992 P/N: 5175929	4-Mar-92		
RD21493 [Filed]	METHOD OF APPLYING METAL COATING ON CUBIC BORON NITRIDE AND ARTICLES MADE THEREFROM	United States	US	S/N: 07/738758 P/N: 5188643	1-Aug-91		
RD21661 [Filed]	PREHEATER FOR CVD DIAMOND REACTOR	United States	US	S/N: 08/306077 P/N: 5479874	14-Sep-94		
RD21796 [Filed]	SUPPRESSION OF GRAPHITE FORMATION DURING LASER ETCHING OF DIAMOND	United States	US	S/N: 08/248896 P/N: 5419798	25-May-94		
RD22021 [Filed]	SUBSTANTIALLY TRANSPARENT FREE STANDING DIAMOND FILMS	United States	US	S/N: 07/859753 P/N: 5273731	30-Mar-92		
RD22055 [Filed]	METHOD FOR DETERMINING THICKNESS OF CHEMICAL VAPOR DEPOSITED LAYERS	United States	US	S/N: 07/991798 P/N: 5300313	18-Dec-92		
RD22294 [Filed]	PROCESS FOR MAKING METALLIZED VIAS IN DIAMOND SUBSTRATES	United States	US	S/N: 08/188877 P/N: 5382758	31-Jan-94		
RD22486 [Filed]	APPARATUS FOR PRODUCING DIAMOND BY CHEMICAL VAPOR DEPOSITION AND ARTICLES PRODUCED THEREFROM	United States	US	S/N: 07/948077 P/N: 5204145	21-Sep-92		
RD22514 [Filed]	APPARATUS FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND INCLUDING GRAPHITE SUBSTRATE HOLDERS	United States	US	S/N: 08/096392 P/N: 5391229	26-Jul-93		
RD22530 [Filed]	APPARATUS FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND INCLUDING THERMAL SPREADER	United States	US	S/N: 08/172797 P/N: 5397396	27-Dec-93		
RD22721 [Filed]	POLYCRYSTALLINE CARBON CONVERSION	United States	US	S/N: 09/206721 P/N: 6126741	7-Dec-98		
RD22800 [Filed]	TUNGSTEN METALLIZATION OF CVD DIAMOND	United States	US	S/N: 08/100406 P/N: 5346719	2-Aug-93		
RD22976 [Filed]	METHOD FOR MAKING HIGH THERMAL CONDUCTING DIAMOND	United States	US	S/N: 08/316995 P/N: 5445106	3-Oct-94		
RD22980 [Filed]	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/261358 P/N: 5424096	13-Jun-94		
RD22980 [Filed]	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/364568 P/N: 5437728	27-Dec-94		
RD23162 [Filed]	METHOD OF PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION AND THE SUPPORT MANDRELS USED THEREIN	United States	US	S/N: 08/119448 P/N: 5869133	9-Sep-93		
RD23356 [Filed]	POLYCRYSTALLINE DIAMOND WITH ORIENTATION AND GROWTH FACETS	United States	US	S/N: 08/264268 P/N: 5437891	23-Jun-94		
RD23427 [Filed]	PROCESS FOR MAKING METALLIZED VIAS IN DIAMOND SUBSTRATES	United States	US	S/N: 08/188877 P/N: 5382758	31-Jan-94		
RD23481 [Filed]	DIAMOND OPTICAL PLATE BEAMSPLITTER	United States	US	S/N: 08/538656 P/N: 5706135	3-Oct-95		
RD23502 [Filed]	APPARATUS FOR ANNEALING DIAMOND WATER JET MIXING TUBES	United States	US	S/N: 08/267181 P/N: 5468934	15-Jun-94		
RD23503 [Filed]	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/261358 P/N: 5424096	13-Jun-94		
RD23511 [Filed]	ARTICLES HAVING THERMAL CONDUCTORS OF GRAPHITE	United States	US	S/N: 08/262796 P/N: 5494753	20-Jun-94		
RD23716 [Filed]	SUPPRESSION OF GRAPHITE FORMATION DURING LASER ETCHING OF DIAMOND	United States	US	S/N: 08/248896 P/N: 5419798	25-May-94		

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RD23717	[Filed]	ULTRAFAST OPTICAL MODULATOR	United States	US	S/N: 08/605417 P/N: 5659415	22-Feb-96		
RD23819	[Filed]	FABRICATION OF BRAZABLE IN AIR TOOL INSERTS AND INSERTS FABRICATED THEREBY	United States	US	S/N: 08/350572 P/N: 5628909	7-Dec-94		
RD23927	[Filed]	COMPOSITE DIAMOND WIRE DIE	United States	US	S/N: 08/499238 P/N: 5634369	7-Jul-95		
RD23948	[Filed]	DIAMOND FILM STRUCTURE WITH HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 08/316998 P/N: 5525815	3-Oct-94		
RD24002	[Filed]	SYNTHETIC DIAMOND PRODUCT	United States	US	S/N: 08/411181 P/N: 5503104	27-Mar-95		
RD24111	[Filed]	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/384568 P/N: 5437728	27-Dec-94		
RD24416	[Filed]	COMPOSITE DIAMOND WIRE DIE	United States	US	S/N: 08/499237 P/N: 5638545	7-Jul-95		
RD24447	[Filed]	COMPOSITE DIAMOND WIRE DIE	United States	US	S/N: 08/499502 P/N: 5634370	7-Jul-95		
RD24450	[Filed]	ELECTRONIC APPARATUS WITH COMPLIANT METAL CHIP-SUBSTRATE BONDING LAYER(S)	United States	US	S/N: 08/457551 P/N: 5587985	1-Jun-95		
RD25160	[Filed]	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 09/201384 P/N: 6152977	30-Nov-98		
RD25160	[Filed]	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 09/484389 P/N: 6350191	14-Jan-00		
RD25160	[Filed]	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING S	United States	US	S/N: 09/484392 P/N: 6408776	14-Jan-00		
RD25308	[Filed]	SURFACE ENRICHED DIAMOND AND METHOD OF MAKING	United States	US	S/N: 09/783441	14-Feb-01		
RD27003	[Filed]	DIAMOND MICRO SLURRY FOR CHEMICAL-MECHANICAL PLANARIZATION OF SEMI CONDUCTOR WAFERS	United States	US	S/N: 09/472104 P/N: 6258721	27-Dec-99		
RD27003	[Filed]	DIAMOND MICRO SLURRY FOR CHEMICAL-MECHANICAL PLANARIZATION OF SEMI CONDUCTOR WAFERS	United States	US	S/N: 09/591189 P/N: 6242351	9-Jun-00		
RD27642	[Filed]	METHOD OF DETECTION OF NATURAL DIAMONDS THAT HAVE BEEN PROCESSED AT HIGH PRESSURE AND HIGH TEMPERATURES	United States	US	S/N: 09/430477 P/N: 6377340	29-Oct-99		
RD27888	[Filed]	FUNCTIONALIZED DIAMONDS WITH ENHANCED RETENTION IN RESIN BONDS, REACTIONS AND METHODS FOR PRODUCING SAME, AND ABRASIVES USING FUNCTIONALIZED DIAMONDS	United States	US	S/N: 09/576794 P/N: 6372002	23-May-00		
RD28183	[Filed]	METAL-INFILTRATED POLYCRYSTALLINE DIAMOND COMPOSITE TOOL FORMED FROM COATED DIAMOND PARTICLES	United States	US	S/N: 09/793312 P/N: 6541115	28-Feb-01		
RD28183	[Filed]	METAL-INFILTRATED POLYCRYSTALLINE DIAMOND COMPOSITE TOOL FORMED FROM COATED DIAMOND PARTICLES	United States	US	S/N: 10/255431	28-Sep-02		
RD28271	[Filed]	ABRASIVE DIAMOND COMPOSITE AND METHOD OF MAKING THEREOF	United States	US	S/N: 09/729525	4-Dec-00		
134047	[Filed]	METHOD TO STABILIZE FRAME SAW BLADES DURING CUT INITIATION	United States	US	134047 -1 Provisional [Filed]	14-Aug-03		

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[Awaiting]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH DISCRETE PARTICLE SIZE AREAS	United States	US	[Issued] S/N: 09/167,196 P/N: 6,187,068	[Awaiting]		
[Awaiting]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH IMPROVED IMPACT AND THERMAL STABILITY	United States	US	[Issued] S/N: 09/523,868 P/N: 5,645,617	[Awaiting]		
[Awaiting]	COMPOSITE POLYCRYSTALLINE COMPACT WITH IMPROVED FRACTURE AND DELAMINATION RESISTANCE	United States	US	[Issued] S/N: 08/415,693 P/N: 5,564,511	[Awaiting]		
[Awaiting]	HIGH PRESSURE/HIGH TEMPERATURE PISTON-CYLINDER APPARATUS	United States	US	[Issued] S/N: 07/792,716 P/N: 5,244,368	[Awaiting]		
[Awaiting]	HIGH PRESSURE REACTION VESSEL	United States	US	[Issued] S/N: 07/826,809 P/N: 5,236,674	[Awaiting]		
[Awaiting]	MODIFIED END ASSEMBLY FOR HIGH PRESSURE, HIGH TEMPERATURE REACTION VESSELS	United States	US	[Issued] S/N: 07/660,332 P/N: 5,190,734	[Awaiting]		
[Awaiting]	HIGH STRENGTH COMPOSITE COMPONENT AND METHOD OF FABRICATION	United States	US	[Issued] S/N: 07/163,725 P/N: 5,032,147	[Awaiting]		
[Awaiting]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH IMPROVED IMPACT RESISTANCE	United States	US	[Issued] S/N: 07/390,208 P/N: 5,011,515	[Awaiting]		
[Awaiting]	COMPOSITE COMPACT WITH A MORE THERMALLY STABLE CUTTING EDGE AND METHOD OF MANUFACTURING THE SAME	United States	US	[Issued] S/N: 07/390,204 P/N: 5,011,509	[Awaiting]		
[Awaiting]	COMPOSITE ABRASIVE COMPACT HAVING HIGH THERMAL STABILITY AND TRANSVERSE RUPTURE STRENGTH	United States	US	[Issued] S/N: 07/161,942 P/N: 4,871,377	[Awaiting]		
[Awaiting]	MATRIX CUTTER	United States	US	[Filed] S/N: 10/183,098	[Awaiting]		
[Awaiting]	ENHANCED METHOD FOR MAKING CVD DIAMOND	United States	US	[Filed] S/N: 10/161,266	[Awaiting]		

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112200 [Filed]	POLYCRYSTALLINE DIAMOND TIPS ON CUTTERS FOR HIGH SPEED DISC SAWHEADS FOR APPLICATION IN THE TIMBER INDUSTRY	United States	US	Provisional [Filed] S/N: 60/473511	23-May-03		
123571 [Filed]	AUTOCATALYTIC NICKEL-BORON COATING PROCESS FOR DIAMOND PARTICLES	United States	US	Provisional [Filed] S/N: 60/438957	9-Jan-03		
123989 [Filed]	LASER SUPPORT NICKEL-PLATING OF SUPERABRASIVE TOOL	United States	US	S/N: 10/172,034	14-Jun-02		
124337 [Filed]	CUTTING TOOL INSERT DESIGNED WITH MINIMIZED RESIDUAL TENSILE STRESSES	United States	US	Provisional [Filed] S/N: 60/395,182	10-Jul-02		
124337 [Filed]	CUTTING TOOL INSERT DESIGNED WITH MINIMIZED RESIDUAL TENSILE STRESSES	United States	US	S/N: 10/458903 P/N: 6666753	11-Jun-03		
125174 [Filed]	CUTTING TOOL WITH TWO-SLOPE PROFILE DESIGNED WITH MINIMIZED AXIAL SURFACE RESIDUAL STRESSES	United States	US	Provisional [Filed] S/N: 60/395,181	10-Jul-02		
125174 [Filed]	CUTTING TOOL WITH TWO-SLOPE PROFILE DESIGNED WITH MINIMIZED AXIAL SURFACE RESIDUAL STRESSES	United States	US	S/N: 10/455008	5-Jun-03		
125185 [Filed]	METHOD TO IMPROVE WEAR UNIFORMITY OF DIAMOND-CONTAINING SEGMENTS ON BLADES FOR STABBING GRANITE	United States	US	Provisional [Filed] S/N: 60/432222	10-Dec-02		
125185 [Filed]	METHOD TO IMPROVE WEAR UNIFORMITY OF DIAMOND-CONTAINING SEGMENTS ON BLADES FOR STABBING GRANITE	United States	US		9-Dec-03		
125877 [Filed]	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	United States	US	Provisional [Filed] S/N: 60/382209	21-May-02		
125877 [Filed]	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	United States	US	S/N: 10/437469	8-Jul-03		
125877 [Filed]	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	United States	US	125877 -7 Original [Filed]			
126337 [Filed]	SCRATCH-PROOF COMPOSITE WATCH GLASS	United States	US	Provisional [Filed] S/N: 60/399778	31-Jul-02		
126360 [Filed]	A SINTERED COMPACT FOR USE IN MACHINING CHEMICALLY REACTIVE MATERIALS	United States	US	Provisional [Filed] S/N: 60/391707	26-Jun-02		
126360 [Filed]	A SINTERED COMPACT FOR USE IN MACHINING CHEMICALLY REACTIVE MATERIALS	United States	US	S/N: 10/437516	14-May-03		
126855 [Filed]	METHOD FOR PRODUCING SINTERED POLYCRYSTALLINE DIAMOND ON TUNGSTEN CARBIDE SUBSTRATES	United States	US	Provisional [Filed] S/N: 60/414987	1-Oct-02		
126855 [Filed]	METHOD FOR PRODUCING SINTERED POLYCRYSTALLINE DIAMOND ON TUNGSTEN CARBIDE SUBSTRATES	United States	US		17-Jul-03		
129177 [Filed]	EXTRUSION AND COMPOUNDING EQUIPMENT COMPONENTS WITH IMPROVED WEAR RESISTANCE	United States	US	Provisional [Filed] S/N: 60/445631	7-Feb-03		
129178 [Filed]	IMPROVED WEAR RESISTANT COMPONENTS FOR SIZE REDUCTION AND SIZE CLASSIFICATION EQUIPMENT	United States	US	Provisional [Filed] S/N: 60/445615	7-Feb-03		

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129182 [Filed]	WEAR CONTROL IN CONTINUOUS GLASS FIBER PLANTS	United States	US	Provisional [Filed] S/N: 60/445614	7-Feb-03		
129184 [Filed]	WEAR-RESISTANT DRILL BIT BODIES AND OTHER COMPONENTS FOR OIL AND GAS DRILLING	United States	US	Provisional [Filed] S/N: 60/445659	7-Feb-03		
129892 [Filed]	WEAR AND CORROSION RESISTANT ORIFICE AND RELATED COMPONENTS	United States	US	Provisional [Filed] S/N: 60/445633	7-Feb-03		
130335 [Filed]	ARTICLES COMPRISING AN ABRASION-RESISTANT RESINOUS SKIN INTEGRALLY BONDED WITH GRADED INTERFACE TO A RESINOUS CORE MATERIAL	United States	US	Provisional [Filed] S/N: 60/440455	15-Jan-03		
130335 [Filed]	ARTICLES COMPRISING AN ABRASION-RESISTANT RESINOUS SKIN INTEGRALLY BONDED WITH GRADED INTERFACE TO A RESINOUS CORE MATERIAL	United States	US	Provisional [Filed] S/N: 60/464517	22-Apr-03		
131068 [Filed]	WEAR AND CORROSION PREVENTION IN FIREARMS	United States	US	Provisional [Filed] S/N: 60/445609	7-Feb-03		
132255 [Filed]	AIRCRAFT ENGINE WEAR PARTS	United States	US	Provisional [Filed] S/N: 60/445632	7-Feb-03		
132270 [Filed]	CLIPPER BLADE SETS AND COMBS WITH IMPROVED WEAR RESISTANCE	United States	US	Provisional [Filed] S/N: 60/445610	7-Feb-03		
132875 [Filed]	SELECTION OF DIAMONDS GRIT MORPHOLOGY AND SIZE DISTRIBUTION FOR CMP CONDITIONER APPLICATION	United States	US	Provisional [Filed]	8-Oct-03		
133139 [Filed]	IMPROVED WEAR PERFORMANCE TOOLS FOR METAL, PLASTIC, CERAMIC AND COMPOSITE FORMING	United States	US	Provisional [Filed] S/N: 60/447808	14-Feb-03		
133140 [Filed]	PCD AND PCBN TOOL BLANKS WITH PREFIXED BRAZE ALLOY	United States	US	Provisional [Filed] S/N: 60/445613	7-Feb-03		
133141 [Filed]	COATINGS WITH HIGHLY TORTUOUS SURFACE TOPOGRAPHY FOR ABRASIVE/SUPERABRASIVE PARTICLES USED IN METALS/CERAMIC/POLYMER MATRIX COMPOSITES	United States	US	Provisional [Filed] S/N: 60/469285	8-May-03		
133615 [Filed]	IMPROVED TOOLS FOR MACHINING FIBER CEMENTS	United States	US	Provisional [Filed]	11-Mar-03		
133794 [Filed]	SUPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELIMINATE HOT-BRAZING IN TOOL FABRICATION	United States	US	Provisional [Filed] S/N: 60/470306	14-May-03		
133794 [Filed]	SUPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELIMINATE HOT-BRAZING IN TOOL FABRICATION	United States	US		22-Oct-03		
133920 [Filed]	DRILL BITS, ROUTER BITS, PROFILE CUTTERS, FILES, PLANING AND SAW BLADES WITH IMPROVED WEAR RESISTANCE	United States	US	Provisional [Filed] S/N: 60/469287	9-May-03		
133975 [Filed]	METHOD TO IMPROVE TOOL INTEGRITY WHEN CUTTING STONE	United States	US	Provisional [Filed]	14-Aug-03		
135143 [Filed]	A METHOD OF MAKING ABRASIVE TOOLS FROM BI-MODAL DIAMOND OR CUBIC BORON NITRIDE POWDER	United States	US	Provisional [Filed] S/N: 60/467311	2-May-03		

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136255 [Filed]	SINTERED COMPACT FOR USE IN MACHINING VARIOUS CAST IRON MATERIALS	United States	US	Provisional [Filed]	3-Dec-03		
145361 [Filed]	COMPRESSION CONTAINER FOR POLYCRYSTALLINE WIRE DIE	United States	US	Provisional [Filed]	10-Dec-03		
60SD10 [Filed]	DIAMOND AND CBN ABRASIVE COMPACTS USING SIZE SELECTIVE ABRASIVE PARTICLE LAYERS	United States	US	S/N: 219289 P/N: 4311490	7-Sep-88		
60SD147 [Filed]	RE-SINTERED BORON-RICH POLYCRYSTALLINE CUBIC BORON NITRIDE AND MET HOD FOR MAKING SAME	United States	US	S/N: 823893 P/N: 4673414	29-Jan-86		
60SD184 [Filed]	GANG SAW FOR CUTTING BLOCKS OF STONE	United States	US	S/N: 515448 P/N: 4498450	20-Jul-83		
60SD240 [Filed]	PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	US	S/N: 542081 P/N: 4525179	14-Oct-83		
60SD242 [Filed]	PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	US	S/N: 488003 P/N: 4536442	2-May-83		
60SD245 [Filed]	MERGED WITH 60-SD-259 FOR FILING	United States	US	S/N: 818850 P/N: 4797326	14-Jan-86		
60SD24559 [Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS	United States	US	S/N: 818850 P/N: 4797326	14-Jan-86		
60SD246 [Filed]	GANG SAW FOR CUTTING BLOCKS OF STONE	United States	US	S/N: 515448 P/N: 4498450	20-Jul-83		
60SD249 [Filed]	SWEEP THROUGH PROCESS FOR MAKING POLYCRYSTALLINE COMPACTS	United States	US	S/N: 536221 P/N: 4518659	23-Sep-83		
60SD251 [Filed]	IMPROVED PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	US	S/N: 552081 P/N: 4525179	14-Oct-83		
60SD254 [Filed]	COATED OXIDATION-RESISTANT POROUS ABRASIVE COMPACT AND METHOD FOR MAKING SAME	United States	US	S/N: 06920041 P/N: 4738689	16-Oct-86		
60SD256 [Filed]	POLYCRYSTALLINE SANDWICH COMPACTS AND METHOD FOR MAKING SAME	United States	US	S/N: 07277875 P/N: 5009673	30-Nov-88		
60SD257 [Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	United States	US	S/N: 697668 P/N: 4810447	4-Feb-85		
60SD257 [Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	United States	US	S/N: 8491 P/N: 4832708	27-Jan-87		
60SD261 [Filed]	PROCESS FOR PREPARING POLYCRYSTALLINE CBN CERAMIC MASSES AND RESULTING PRODUCT	United States	US	S/N: 7366943 P/N: 5043120	16-Jun-89		
60SD262 [Filed]	BRAZED COMPOSITE COMPACT IMPLEMENTS	United States	US	S/N: 624064 P/N: 4527998	25-Jun-84		
60SD303 [Filed]	REFRACTORY METAL OXIDE COATED ABRASIVES AND GRINDING WHEELS MADE THEREFROM	United States	US	S/N: 07358728 P/N: 4951427	30-May-89		
60SD305 [Filed]	STUD-MOUNTED POLYCRYSTALLINE TOOTHED DIAMOND CUTTING BLANKS	United States	US	S/N: 7192872 P/N: D317010	11-May-88		
60SD308 [Filed]	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	United States	US	S/N: 7365268 P/N: 4931363	12-Jun-89		

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60SD30811 [Filed]	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	United States	US	S/N: 158575 P/N: 4899922	22-Feb-88		
60SD317 [Filed]	COATED OXIDATION-RESISTANT POROUS ABRASIVE COMPACT AND METHOD FOR MAKING SAME	United States	US	S/N: 920041 P/N: 47386689	16-Oct-86		
60SD318 [Filed]	BONDING OF THERMALLY STABLE ABRASIVE COMPACTS TO CARBIDE SUPPORTS	United States	US	S/N: 077158336 P/N: 4850523	22-Feb-88		
60SD327 [Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	United States	US	S/N: 008491 P/N: 4832708	29-Jan-87		
60SD33 [Filed]	OPTICAL WINDOWS MADE OF POLYCRYSTALLINE ADAMANTANE BORON NITRIDE OR DIAMOND	United States	US	S/N: 488003 P/N: 4536442	2-May-83		
60SD332 [Filed]	METHOD OF MAKING DIAMOND TOOL	United States	US	S/N: 713966 P/N: 4661180	25-Mar-85		
60SD333 [Filed]	POLYCRYSTALLINE ABRASIVE GRIT	United States	US	S/N: 153466 P/N: 4828582	3-Feb-88		
60SD333V [Filed]	POLYCRYSTALLINE ABRASIVE GRIT	United States	US	S/N: 793462 P/N: 4828582	1-Sep-88		
60SD358 [Filed]	PRODUCTS AND PROCESS FOR MAKING MULTIGRAIN ABRASIVE COMPACTS	United States	US	S/N: 077669259 P/N: 5211726	14-Mar-91		
60SD364 [Filed]	MULTIGRAIN ABRASIVE PARTICLES	United States	US	S/N: 077669124 P/N: 5106392	14-Mar-91		
60SD367 [Filed]	CHIP BREAKER FOR POLYCRYSTALLINE CBN AND DIAMOND COMPACTS	United States	US	S/N: 71429661 P/N: 5026960	31-Oct-89		
60SD368 [Filed]	DIAMOND AND CUBIC BORON NITRIDE	United States	US	S/N: 156272 P/N: 4807402	12-Feb-88		
60SD389 [Filed]	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANKS	United States	US	S/N: 328347 P/N: D330206	24-Mar-89		
60SD390 [Filed]	RECIPROCATING POINT ROTARY DIAMOND	United States	US	S/N: 077635082 P/N: 5172681	28-Dec-90		
60SD401 [Filed]	INTERLOCKING MOUNTED ABRASIVE COMPACTS	United States	US	S/N: 332814 P/N: D325226	3-Apr-89		
60SD412 [Filed]	SAWBLADE SEGMENTS UTILIZING POLYCRYSTALLINE DIAMOND GRIT	United States	US	S/N: 262405 P/N: 4883500	25-Oct-88		
60SD419 [Filed]	SUPPORTED THERMALLY STABLE CUBIC BORON NITRIDE TOOLS BLANKS AND METHOD FOR MAKING THE SAME	United States	US	S/N: 71394349 P/N: 4985050	15-Aug-89		
60SD428 [Filed]	DIAMOND COMPACTS FOR ROCK DRILLING AND MACHINING	United States	US	S/N: 71420191 P/N: 5022894	12-Oct-89		
60SD437 [Filed]	METHOD FOR PRODUCING POLYCRYSTALLINE COMPACT TOOL BLANKS WITH FLAT CARBIDE SUPPORT/DIAMOND OR CBN INTERFACES	United States	US	S/N: 331928 P/N: 4954139	31-Mar-89		
60SD439 [Filed]	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANK	United States	US	S/N: 328348 P/N: D324527	24-Mar-89		
60SD439 [Filed]	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANK	United States	US	S/N: 71328348 P/N: 324527	24-Mar-89		
60SD440 [Filed]	INTERLOCKING MOUNTED ABRASIVE COMPACTS	United States	US	S/N: 332828 P/N: D324056	3-Apr-89		
60SD455 [Filed]	CBN/CBN COMPOSITE MASSES AND THEIR PREPARATION	United States	US	S/N: 71630916 P/N: 5106792	20-Dec-90		
60SD458 [Filed]	MULTI-LAYER METAL COATED DIAMOND ABRASIVES FOR SINTERED METAL BONDED TOOLS	United States	US	S/N: 077857132 P/N: 5250086	25-Mar-92		



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60SD461 [Filed]	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	United States	US	S/N: 365268 P/N: 4931363	12-Jun-89		
60SD469 [Filed]	POLYCRYSTALLINE CVD DIAMOND SUBSTRATE FOR SINGLE CRYSTAL EPITAXIAL GROWTH OF SEMICONDUCTORS FORMERLY	United States	US	S/N: 07/479486 P/N: 4981818	13-Feb-90		
60SD493 [Filed]	CVD DIAMOND COATED ANNULUS COMPONENTS AND THEIR METHOD OF FABRICATION	United States	US	S/N: 08/127964 P/N: 5508071	28-Sep-93		
60SD498 [Filed]	CVD DIAMOND FOR COATING TWIST DRILLS	United States	US	S/N: 07/563367 P/N: 5096736	7-Aug-90		
60SD498 [Filed]	CVD DIAMOND FOR COATING TWIST DRILLS	United States	US	S/N: 07/929239 P/N: 5256206	14-Aug-92		
60SD499 [Filed]	CVD DIAMOND COATED TWIST DRILLS	United States	US	S/N: 07/555879 P/N: 5022801	18-Jul-90		
60SD504 [Filed]	USING THERMALLY-STABLE DIAMOND OR CBN COMPACTS AS TIPS FOR ROTARY DRILLS	United States	US	S/N: 07/577379 P/N: 5273557	4-Sep-90		
60SD506 [Filed]	ISOTOPICALLY PURE SINGLE CRYSTAL EPITAXIAL DIAMOND FILMS AND THEIR PREPARATION	United States	US	S/N: 07/547651 P/N: 5360479	2-Jul-90		
60SD518 [Filed]	THERMALLY STABLE DENSE ELECTRICALLY CONDUCTIVE DIAMOND COMPACTS	United States	US	S/N: 07/773461 P/N: 5266236	9-Oct-91		
60SD528 [Filed]	MULTILAYER CVD DIAMOND FILMS	United States	US	S/N: 08/400555 P/N: 5491002	8-Mar-95		
60SD567 [Filed]	CHEMICALLY BONDED ADHERENT COATING FOR ABRASIVE COMPACTS AND METHOD FOR MAKING SAME	United States	US	S/N: 07/710725 P/N: 5173091	4-Jun-91		
60SD576 [Filed]	SMOOTH SURFACE CVD DIAMOND FILMS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 07/967461 P/N: 5439492	28-Oct-92		
60SD576 [Filed]	SMOOTH SURFACE CVD DIAMOND FILMS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 08/220946 P/N: 5523121	31-Mar-94		
60SD577 [Filed]	CARBON FLUORIDE COMPOSITIONS	United States	US	S/N: 08/073991 P/N: 5380557	3-Jun-93		
60SD578 [Filed]	METHOD FOR MAKING SMOOTH SUBSTRATE MANDRELS	United States	US	S/N: 07/815478 P/N: 5176803	4-Mar-92		
60SD581 [Filed]	METHOD FOR PRODUCING UNIFORM CYLINDRICAL TUBES OF CVD DIAMOND	United States	US	S/N: 08/138888 P/N: 5387447	19-Oct-93		
60SD582 [Filed]	PROCESS FOR MAKING COATED ABRASIVES FOR GRINDING WHEELS	United States	US	S/N: 08/032750 P/N: 5306318	17-Mar-93		
60SD583 [Filed]	COATING FOR IMPROVED RETENTION OF CBN IN VITREOUS BOND MATRICES	United States	US	S/N: 08/005951 P/N: 5300129	19-Jan-93		
60SD584 [Filed]	DUAL-COATED DIAMOND PELLETS AND SAW BLADE SEGMENTS MADE THEREWITH	United States	US	S/N: 07/762999 P/N: 5143523	20-Sep-91		
60SD615 [Filed]	METHOD FOR CONTROLLING THE PARTICLE SIZE DISTRIBUTION IN THE PRODUCTION OF MULTICRYSTALLINE CUBIC BORON NITRIDE	United States	US	S/N: 07/995229 P/N: 5985228	22-Dec-92		
60SD628 [Filed]	DIAMOND PELLETS AND SAW BLADE SEGMENTS MADE THEREWITH	United States	US	S/N: 07/857192 P/N: 5405573	4-May-92		
60SD633 [Filed]	MULTILAYER METAL COATED DIAMOND ABRASIVES WITH AN ELECTROLESSLY DEPOSITED METAL LAYER	United States	US	S/N: 07/857139 P/N: 5232469	25-Mar-92		

Object Number	Title	Filing Country	Country Code	Filing No./Type/SUPN	Filing Date	Agent	Comments
60SD643 [Filed]	SUPPORTED POLYCRYSTALLINE DIAMOND COMPACT HAVING A CUBIC BORON NITRIDE INTERLAYER FOR IMPROVED PHYSICAL PROPERTIES	United States	US	S/N: 08/322841 P/N: 5510183	13-Oct-94		
60SD643 [Filed]	SUPPORTED POLYCRYSTALLINE DIAMOND COMPACT HAVING A CUBIC BORON NITRIDE INTERLAYER FOR IMPROVED PHYSICAL PROPERTIES	United States	US	S/N: 08/595715 P/N: 5603070	2-Feb-96		
60SD645 [Filed]	PREPARATION OF THIN FREE-STANDING DIAMOND FILMS	United States	US	S/N: 08/369047 P/N: 5490963	5-Jan-95		
60SD647 [Filed]	FINE GRAIN DIAMOND WORKPIECES	United States	US	S/N: 07/967461 P/N: 5439492	28-Oct-92		
60SD652 [Filed]	ABRASIVE TOOL INSERT SEE CIP 60SD00658	United States	US	S/N: 08/095631 P/N: 5484330	21-Jul-93		
60SD652 [Filed]	ABRASIVE TOOL INSERT SEE CIP 60SD00658	United States	US	S/N: 08/271307 P/N: 5486137	6-Jul-94		
60SD653 [Filed]	REDUCTION OF STRESSES IN THE POLYCRYSTALLINE ABRASIVE LAYER OF A COMPOSITE COMPACT IN THE IN SITU BONDED CAR BIDE/CARBIDE SUPPORT	United States	US	S/N: 08/489877 P/N: 5560754	13-Jun-95		
60SD658 [Filed]	ABRASIVE TOOL INSERT SEE CIP	United States	US	S/N: 08/105523 P/N: 5494477	11-Aug-93		
60SD660 [Filed]	PROCESS FOR PREPARING POLYCRYSTALLINE CBN CERAMIC MASSES AND RESULTING PRODUCT	United States	US	S/N: 07/985500 P/N: 5320988	1-Dec-92		
60SD662 [Filed]	METHOD OF SEPARATION OF PIECES FROM SUPER HARD MATERIAL BY PARTIAL LASER CUT AND PRESSURE CLEAVAGE	United States	US	S/N: 08/080459 P/N: 5387776	11-May-93		
60SD664 [Filed]	CLASSIFYING AND SORTING CRYSTALLINE OBJECTS	United States	US	S/N: 08/400556 P/N: 5544254	8-Mar-95		
60SD665 [Filed]	MEASURING THE STRENGTH OF ABRASIVE GRAINS	United States	US	S/N: 08/016638 P/N: 5392633	12-Feb-93		
60SD669 [Filed]	PROCESS FOR MAKING COATED ABRASIVES FOR GRINDING WHEELS	United States	US	S/N: 08/032750 P/N: 5306318	17-Mar-93		
60SD690 [Filed]	MULTIPLE GRAINED DIAMOND WIRE DIE	United States	US	S/N: 08/143802 P/N: 5361621	27-Oct-93		
60SD691 [Filed]	OPTICALLY IMPROVED DIAMOND WIRE DIE	United States	US	S/N: 08/148803 P/N: 5465603	5-Nov-93		
60SD693 [Filed]	ABRASIVE COMPACT WITH IMPROVED PROPERTIES	United States	US	S/N: 08/571312 P/N: 5855996	12-Dec-95		
60SD693 [Filed]	ABRASIVE COMPACT WITH IMPROVED PROPERTIES	United States	US	S/N: 09/087776 P/N: 6132675	29-May-98		
60SD694 [Filed]	DIAMOND WIRE DIE	United States	US	S/N: 08/121014 P/N: 5363687	14-Sep-93		
60SD696 [Filed]	ABRASIVE TOOL INSERT	United States	US	S/N: 08/271307 P/N: 5486137	6-Jul-94		
60SD698 [Filed]	CVD DIAMOND COATING ANNULUS COMPONENTS AND METHOD OF THEIR FABRICATION	United States	US	S/N: 08/127984 P/N: 5508071	28-Sep-93		
60SD701 [Filed]	DIAMOND WIRE DIE WITH POSITIONED OPENING	United States	US	S/N: 08/144168 P/N: 5377522	27-Oct-93		
60SD708 [Filed]	A METHOD FOR MANUFACTURING A DIAMOND ARTICLE	United States	US	S/N: 08/310449 P/N: 5529805	22-Sep-94		
60SD709 [Filed]	FABRICATION OF AIR BRAZABLE DIAMOND TOOL INSERTS AND INSERTS FABRICATED THEREBY	United States	US	S/N: 08/286078 P/N: 5500248	4-Aug-94		
60SD709 [Filed]	FABRICATION OF AIR BRAZABLE DIAMOND TOOL INSERTS AND INSERTS FABRICATED THEREBY	United States	US	S/N: 08/583360 P/N: 5647878	5-Jan-96		

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60SD712 [Filed]	METHOD FOR ENHANCING THE TOUGHNESS OF CVD DIAMOND	United States	US	S/N: 08/238543 P/N: 5451430	5-May-94		
60SD713 [Filed]	METHOD FOR ENHANCING THE TOUGHNESS OF CVD DIAMOND	United States	US	S/N: 08/654815 P/N: 5672395	29-May-96		
60SD714 [Filed]	ANNULAR DIAMOND BODIES	United States	US	S/N: 08/311658 P/N: 5551277	23-Sep-94		
60SD715 [Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS HAVING IMPROVED PHYSICAL PROPERTIES AND METHOD FOR MAKING SAME	United States	US	S/N: 08/239156 P/N: 5512235	6-May-94		
60SD715 [Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS HAVING IMPROVED PHYSICAL PROPERTIES AND METHOD FOR MAKING SAME	United States	US	S/N: 08/616997 P/N: 5773140	14-Mar-96		
60SD721 [Filed]	WIRE DRAWING DIE HAVING IMPROVED PHYSICAL PROPERTIES NO DIVISIONAL DUE PER GLL	United States	US	S/N: 08/412050 P/N: 5660075	28-Mar-95		
60SD728 [Filed]	A FINE GRAIN DIAMOND TOOL AND METHOD OF MANUFACTURE	United States	US	S/N: 08/551593 P/N: 5660936	1-Nov-95		
60SD728 [Filed]	PREPARATION OF THIN FREE-STANDING DIAMOND FILMS	United States	US	S/N: 08/369047 P/N: 5490963	5-Jan-95		
60SD731 [Filed]	CLASSIFYING AND SORTING CRYSTALLINE OBJECTS	United States	US	S/N: 08/400556 P/N: 5544254	8-Mar-95		
60SD732 [Filed]	MULTILAYER CVD DIAMOND FILMS	United States	US	S/N: 08/400555 P/N: 5491002	8-Mar-95		
60SD745 [Filed]	METHOD FOR PRODUCING UNIFORMLY HIGH QUALITY ABRASIVE COMPACTS	United States	US	S/N: 08/555672 P/N: 5669944	13-Nov-95		
60SD749 [Filed]	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH REDUCED FAILURE DURING BRAZING	United States	US	S/N: 08/975028 P/N: 6042463	20-Nov-97		
60SD750 [Filed]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT NO DIV DUE PER EPA 5/197	United States	US	S/N: 08/591879 P/N: 5662720	26-Jan-96		
60SD752 [Filed]	POLYCRYSTALLINE DIAMOND COMPACT (PDC) CUTTER WITH IMPROVED CUTTING CAPABILITY	United States	US	S/N: 08/975429 P/N: 6045440	20-Nov-97		
60SD753 [Filed]	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH IMPROVED CUTTING BY PREVENTING CHIP BUILD UP	United States	US	S/N: 09/131460 P/N: 6196910	10-Aug-98		
60SD760A [Filed]	POLYCRYSTALLINE DIAMOND CUTTING ELEMENT	United States	US	S/N: 08/777213 P/N: 5848657	27-Dec-96		
60SD768 [Filed]	AN IMPROVED ABRASIVE CUTTING ELEMENT AND DRILL BIT	United States	US	S/N: 08/611896 P/N: 5743346	6-Mar-96		
60SD769 [Filed]	POLYCRYSTALLINE DIAMOND CUTTING ELEMENT WITH DIAMOND RIDGE PATTERN	United States	US	S/N: 08/777222 P/N: 5829541	27-Dec-96		
60SD772 [Filed]	COATED CBN POLYCRYSTALLINE SUPERABRASIVE TOOLS	United States	US	S/N: 08/779417	7-Jan-97		
60SD772 [Filed]	COATED CBN POLYCRYSTALLINE SUPERABRASIVE TOOLS	United States	US	S/N: 10/411471	8-Apr-03		
60SD774 [Filed]	METHOD FOR PRODUCING CUBIC BORON NITRIDE USING MELAMINE AS A CATALYST	United States	US	S/N: 09/072144 P/N: 5869015	4-May-98		
60SD784 [Filed]	SYNTHETIC GASKET MATERIAL FOR USE IN HIGH PRESSURE PRESSES TRANS FMEGADIAMOND	United States	US	S/N: 08/874769 P/N: 5858525	13-Jun-97		

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60SD785	[Filed]	THERMALLY-DIFFUSED BORON DIAMOND AND ITS PRODUCTION	United States	US	S/N: 09/561128 P/N: 6322891	28-Apr-00		
60SD787	[Filed]	SUPERABRASIVE CUTTING ELEMENT WITH ENHANCED STIFFNESS, THERMAL CONDUCTIVITY AND CUTTING EFFICIENCY	United States	US	S/N: 08/783171 P/N: 6009963	14-Jan-97		
60SD788	[Filed]	WIRE DRAWING DIE WITH NON-CYLINDRICAL INTERFACE CONFIGURATION FOR REDUCING STRESSES	United States	US	S/N: 08/950004 P/N: 5957005	14-Oct-97		
60SD788	[Filed]	WIRE DRAWING DIE WITH NON-CYLINDRICAL INTERFACE CONFIGURATION FOR REDUCING STRESSES	United States	US	S/N: 09/358271 P/N: 6314836	21-Jul-99		
60SD794	[Filed]	AXISYMMETRIC CUTTING ELEMENT	United States	US	S/N: 09/492095 P/N: 6260640	27-Jan-00		
60SD795	[Filed]	SHAPED POLYCRYSTALLINE CUTTER ELEMENTS	United States	US	S/N: 09/072471 P/N: 6102143	4-May-98		
60SD796	[Filed]	TITANIUM CHROMIUM ALLOY COATED DIAMOND CRYSTALS FOR USE IN SAW BLADE SEGMENTS AND METHOD FOR THEIR PRODUCTION	United States	US	S/N: 09/570957 P/N: 6319608	15-May-00		
60SD802	[Filed]	HIGH PRESSURE/HIGH TEMPERATURE PRODUCTION OF COLORLESS AND FANCY COLORED DIAMONDS	United States	US	S/N: 10/338136	8-Jan-03		
60SD805	[Filed]	HIGH PRESSURE APPARATUS HAVING TRANSITION SLOPE BINDING RING THAT MITIGATES TENSILE STRESSES AND CORRESPONDING METHOD	United States	US	S/N: 09/740777 P/N: 6375446	19-Dec-00		
60SD806	[Filed]	LOW OXYGEN CUBIC BORON NITRIDE	United States	US	S/N: 10/001573	2-Nov-01		
60SD811	[Filed]	CRYSTAL MIXING FOR LOW POWER GRINDING	United States	US	S/N: 09/988244	16-Nov-01		
60SD812	[Filed]	METHOD AND APPARATUS FOR CUTTING GRANITE	United States	US	S/N: 60/139654	17-Jun-99		
60SD812	[Filed]	METHOD AND APPARATUS FOR CUTTING GRANITE	United States	US	S/N: 10/014547	14-Dec-01		
60SD817	[Filed]	HIGH PRESSURE/HIGH TEMPERATURE PRODUCTION OF COLORED DIAMONDS	United States	US	S/N: 10/068362	25-Aug-00		
60SD820	[Filed]	SURFACE MODIFICATION OF COATED ABRASIVES TO ENHANCE THEIR ADHESION IN RESIN BOND TOOLS	United States	US	S/N: 09/901159	9-Jul-01		
60SD827	[Filed]	ABRASIVE TOOL INSERTS AND THEIR PRODUCTION	United States	US	S/N: 09/845540 P/N: 6315652	30-Apr-01		
60SD831	[Filed]	HIGH PRESSURE AND HIGH TEMPERATURE PRODUCTION OF DIAMONDS	United States	US	S/N: 60/224485	11-Aug-00		
60SD831	[Filed]	HIGH PRESSURE AND HIGH TEMPERATURE PRODUCTION OF DIAMONDS	United States	US	S/N: 10/344249	11-Feb-03		
60SD838	[Filed]	SILVER-COATED ABRASIVES, TOOLS CONTAINING SILVER-COATED ABRASIVES, AND APPLICATIONS OF THESE TOOLS	United States	US	S/N: 09/776141 P/N: 6666763	2-Feb-01		
60SD839	[Filed]	JADEITE AND ITS PRODUCTION	United States	US	S/N: 09/737667	15-Dec-00		
60SD839	[Filed]	JADEITE AND ITS PRODUCTION	United States	US	S/N: 09/799192	15-Mar-01		
60SD845	[Filed]	BORON DOPED BLUE DIAMOND AND ITS PRODUCTION	United States	US	S/N: 09/935957	23-Aug-01		

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60SD845	[Filed]	BORON DOPED BLUE DIAMOND AND ITS PRODUCTION	United States	US	S/N: 107262784	2-Oct-02		
60SD851	[Filed]	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND USE THEREOF IN VITREOUS MATRIX COMPOSITES	United States	US	S/N: 09/987863 P/N: 6475254	16-Nov-01		
60SD851	[Filed]	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND USE THEREOF IN VITREOUS MATRIX COMPOSITES	United States	US	S/N: 10/174914 P/N: 6596040	19-Jun-02		
60SD852	[Filed]	HIGH PRESSURE PRODUCTION OF PEROVSKITES	United States	US	S/N: 09/931312	16-Aug-01		
RD14877	[Filed]	SINTERED POLYCRYSTALLINE DIAMOND COMPACT CONSTRUCTION WITH INTEGRAL HEAT SINK	United States	US	S/N: 652242 P/N: 4605343	20-Sep-84		
RD16334	[Filed]	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	US	S/N: 830414 P/N: 4690691	13-Feb-86		
RD17340	[Filed]	DIAMOND CRYSTAL GROWTH PROCESS	United States	US	S/N: 07/332914 P/N: 5261959	4-Apr-89		
RD17340	[Filed]	DIAMOND CRYSTAL GROWTH PROCESS	United States	US	S/N: 08/150633 P/N: 5516554	10-Nov-93		
RD18037	[Filed]	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	US	S/N: 48176 P/N: 4797138	11-May-87		
RD18037	[Filed]	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	US	S/N: 07/048176 P/N: 4797138	11-May-87		
RD18116	[Filed]	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 07/744815 P/N: 5310447	12-Aug-91		
RD18402	[Filed]	EXCIMER LASER PATTERNING OF A NOVEL RESIST	United States	US	S/N: 224416 P/N: 4842677	26-Jul-88		
RD18693	[Filed]	METHOD FOR IMPROVING ADHESION OF SYNTHETIC DIAMOND COATINGS TO SUBSTRATES	United States	US	S/N: 07/653556 P/N: 5190823	11-Feb-91		
RD19369	[Filed]	TRANSPARENT DIAMOND FILMS AND METHOD FOR MAKING	United States	US	S/N: 07/407179 P/N: 5110579	14-Sep-89		
RD19369	[Filed]	TRANSPARENT DIAMOND FILMS AND METHOD FOR MAKING	United States	US	S/N: 07/659753 P/N: 5273731	30-Mar-92		
RD19567	[Filed]	FREE STANDING DIAMOND SHEET AND METHOD AND APPARATUS FOR MAKING SAME	United States	US	S/N: 07/537863 P/N: 5464071	13-Jun-90		
RD20142	[Filed]	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 08/163608 P/N: 5419278	6-Dec-93		
RD20142	[Filed]	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 08/368732 P/N: 5540904	4-Jan-95		
RD20790	[Filed]	APPARATUS FOR PRODUCING DIAMONDS BY CHEMICAL VAPOR DEPOSITION AND ARTICLES PRODUCED THEREFROM	United States	US	S/N: 07/948077 P/N: 5204145	21-Sep-92		
RD20983	[Inactivated]	ARTIFICIAL POLYMER LATTICES IN CORE-SHELL FORM AND METHOD OF PREPARATION	United States	US	S/N: 07/980,444 P/N: 5356955	23-Nov-93		
RD21018	[Filed]	METHOD FOR IMPROVING ADHESION OF SYNTHETIC DIAMOND COATINGS TO SUBSTRATES	United States	US	S/N: 07/653556 P/N: 5190823	11-Feb-91		
RD21033	[Filed]	IMPROVED METHOD OF APPLYING METAL COATINGS ON DIAMOND AND ARTICLES MADE THEREFROM	United States	US	S/N: 07/722575 P/N: 5190796	27-Jun-91		

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	RD21034 [Inactivated]	METHOD OF PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION AND THE SUPPORT MANDRELS USED THEREIN	United States	US	S/N: 08/119448 P/N: 5869133	9-Sep-93		
	RD21356 [Filed]	METHOD FOR PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION	United States	US	S/N: 07/845992 P/N: 5175929	4-Mar-92		
	RD21493 [Filed]	METHOD OF APPLYING METAL COATING ON CUBIC BORON NITRIDE AND ARTICLES MADE THEREFROM	United States	US	S/N: 07/738758 P/N: 5188643	1-Aug-91		
	RD21661 [Filed]	PREHEATER FOR CVD DIAMOND REACTOR	United States	US	S/N: 08/308077 P/N: 5479874	14-Sep-94		
	RD21796 [Filed]	SUPPRESSION OF GRAPHITE FORMATION DURING LASER ETCHING OF DIAMOND	United States	US	S/N: 08/248896 P/N: 5419798	25-May-94		
	RD22021 [Filed]	SUBSTANTIALLY TRANSPARENT FREE STANDING DIAMOND FILMS	United States	US	S/N: 07/859753 P/N: 5273731	30-Mar-92		
	RD22055 [Filed]	METHOD FOR DETERMINING THICKNESS OF CHEMICAL VAPOR DEPOSITED LAYERS	United States	US	S/N: 07/991798 P/N: 5300313	16-Dec-92		
	RD22294 [Filed]	PROCESS FOR MAKING METALLIZED VIAS IN DIAMOND SUBSTRATES	United States	US	S/N: 08/188877 P/N: 5382758	31-Jan-94		
	RD22486 [Filed]	APPARATUS FOR PRODUCING DIAMOND BY CHEMICAL VAPOR DEPOSITION AND ARTICLES PRODUCED THEREFROM	United States	US	S/N: 07/948077 P/N: 5204145	21-Sep-92		
	RD22514 [Filed]	APPARATUS FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND INCLUDING GRAPHITE SUBSTRATE HOLDERS	United States	US	S/N: 08/096392 P/N: 5391229	26-Jul-93		
	RD22530 [Filed]	APPARATUS FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND INCLUDING THERMAL SPREADER	United States	US	S/N: 08/172797 P/N: 5397396	27-Dec-93		
	RD22721 [Filed]	POLYCRYSTALLINE CARBON CONVERSION	United States	US	S/N: 09/206721 P/N: 6126741	7-Dec-98		
	RD22800 [Filed]	TUNGSTEN METALIZATION OF CVD DIAMOND	United States	US	S/N: 08/100406 P/N: 5346719	2-Aug-93		
	RD22976 [Filed]	METHOD FOR MAKING HIGH THERMAL CONDUCTING DIAMOND	United States	US	S/N: 08/316995 P/N: 5445108	3-Oct-94		
	RD22980 [Filed]	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/261358 P/N: 5424096	13-Jun-94		
	RD22980 [Filed]	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/364568 P/N: 5437728	27-Dec-94		
	RD23162 [Filed]	METHOD OF PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION AND THE SUPPORT MANDRELS USED THEREIN	United States	US	S/N: 08/119448 P/N: 5869133	9-Sep-93		
	RD23356 [Filed]	CHEMICAL VAPOR DEPOSITION OF POLYCRYSTALLINE DIAMOND WITH ORIENTATION AND GROWTH FACETS	United States	US	S/N: 08/264268 P/N: 5437891	23-Jun-94		
	RD23427 [Filed]	PROCESS FOR MAKING METALLIZED VIAS IN DIAMOND SUBSTRATES	United States	US	S/N: 08/188877 P/N: 5382758	31-Jan-94		
	RD23481 [Filed]	DIAMOND OPTICAL PLATE BEAMSPLITTER	United States	US	S/N: 08/538656 P/N: 5706135	3-Oct-95		
	RD23502 [Filed]	APPARATUS FOR ANNEALING DIAMOND WATER JET MIXING TUBES	United States	US	S/N: 08/267181 P/N: 5488934	15-Jun-94		
	RD23503 [Filed]	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/261358 P/N: 5424096	13-Jun-94		
	RD23511 [Filed]	ARTICLES HAVING THERMAL CONDUCTORS OF GRAPHITE	United States	US	S/N: 08/262796 P/N: 5484753	20-Jun-94		
	RD23716 [Filed]	SUPPRESSION OF GRAPHITE FORMATION DURING LASER ETCHING OF DIAMOND	United States	US	S/N: 08/248896 P/N: 5419798	25-May-94		

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RD23717 [Filed]	ULTRAFAST OPTICAL MODULATOR	United States	US	S/N: 08/605417 P/N: 5659415	22-Feb-98		
RD23819 [Filed]	FABRICATION OF BRAZABLE IN AIR TOOL INSERTS AND INSERTS FABRICATED THEREBY	United States	US	S/N: 08/350572 P/N: 5628909	7-Dec-94		
RD23927 [Filed]	COMPOSITE DIAMOND WIRE DIE	United States	US	S/N: 08/499238 P/N: 5634369	7-Jul-95		
RD23948 [Filed]	DIAMOND FILM STRUCTURE WITH HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 08/316998 P/N: 5525815	3-Oct-94		
RD24002 [Filed]	SYNTHETIC DIAMOND PRODUCT	United States	US	S/N: 08/411181 P/N: 5503104	27-Mar-95		
RD24111 [Filed]	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/384568 P/N: 5437728	27-Dec-94		
RD24416 [Filed]	COMPOSITE DIAMOND WIRE DIE	United States	US	S/N: 08/499237 P/N: 5638545	7-Jul-95		
RD24447 [Filed]	COMPOSITE DIAMOND WIRE DIE	United States	US	S/N: 08/499502 P/N: 5634370	7-Jul-95		
RD24450 [Filed]	ELECTRONIC APPARATUS WITH COMPLIANT METAL CHIP-SUBSTRATE BONDING LAYER(S)	United States	US	S/N: 08/457551 P/N: 5567985	1-Jun-95		
RD25160 [Filed]	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 09/201384 P/N: 6152977	30-Nov-98		
RD25160 [Filed]	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 09/484389 P/N: 6350191	14-Jan-00		
RD25160 [Filed]	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 09/484392 P/N: 6406776	14-Jan-00		
RD25308 [Filed]	SURFACE ENRICHED DIAMOND AND METHOD OF MAKING	United States	US	S/N: 09/783441	14-Feb-01		
RD27003 [Filed]	DIAMOND MICRO SLURRY FOR CHEMICAL-MECHANICAL PLANARIZATION OF SEMI CONDUCTOR WAFERS	United States	US	S/N: 09/472104 P/N: 6258721	27-Dec-99		
RD27003 [Filed]	DIAMOND MICRO SLURRY FOR CHEMICAL-MECHANICAL PLANARIZATION OF SEMI CONDUCTOR WAFERS	United States	US	S/N: 09/591189 P/N: 6242351	9-Jun-00		
RD27642 [Filed]	METHOD OF DETECTION OF NATURAL DIAMONDS THAT HAVE BEEN PROCESSED AT HIGH PRESSURE AND HIGH TEMPERATURES	United States	US	S/N: 09/430477 P/N: 6377340	29-Oct-99		
RD27888 [Filed]	FUNCTIONALIZED DIAMONDS WITH ENHANCED RETENTION IN RESIN BONDS, REACTIONS AND METHODS FOR PRODUCING SAME, AND ABRASIVES USING FUNCTIONALIZED DIAMONDS	United States	US	S/N: 09/576794 P/N: 6372002	23-May-00		
RD28183 [Filed]	METAL-INFILTRATED POLYCRYSTALLINE DIAMOND COMPOSITE TOOL FORMED FROM COATED DIAMOND PARTICLES	United States	US	S/N: 09/783312 P/N: 6541115	26-Feb-01		
RD28183 [Filed]	METAL-INFILTRATED POLYCRYSTALLINE DIAMOND COMPOSITE TOOL FORMED FROM COATED DIAMOND PARTICLES	United States	US	S/N: 10/255431	26-Sep-02		
RD28271 [Filed]	ABRASIVE DIAMOND COMPOSITE AND METHOD OF MAKING THEREOF	United States	US	S/N: 09/729525	4-Dec-00		
134047 [Filed]	METHOD TO STABILIZE FRAME SAW BLADES DURING CUT INITIATION	United States	US	134047 -1 Provisional Filed S/N: 09/475748	14-Aug-03		

Covert Number	Title	Filing Country	Country Code	Filing No./Type/S/N/P/N	Filing Date	Agent	Comments
[Awaiting]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH DISCRETE PARTICLE SIZE AREAS	United States	US	[Issued] S/N: 09/167,196 P/N: 6,187,068	[Awaiting] 10/6/98		
[Awaiting]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH IMPROVED IMPACT AND THERMAL STABILITY	United States	US	[Issued] S/N: 08/623,868 P/N: 5,645,617	[Awaiting] 9/6/95		
[Awaiting]	COMPOSITE POLYCRYSTALLINE COMPACT WITH IMPROVED FRACTURE AND DELAMINATION RESISTANCE	United States	US	[Issued] S/N: 08/415,693 P/N: 5,564,511	[Awaiting] 5/15/95		
[Awaiting]	HIGH PRESSURE/HIGH TEMPERATURE PISTON-CYLINDER APPARATUS	United States	US	[Issued] S/N: 07/792,716 P/N: 5,244,368	[Awaiting] 11/15/91		
[Awaiting]	HIGH PRESSURE REACTION VESSEL	United States	US	[Issued] S/N: 07/828,809 P/N: 5,236,674	[Awaiting] 1/28/92		
[Awaiting]	MODIFIED END ASSEMBLY FOR HIGH PRESSURE, HIGH TEMPERATURE REACTION VESSELS	United States	US	[Issued] S/N: 07/660,332 P/N: 5,190,734	[Awaiting] 2/22/91		
[Awaiting]	HIGH STRENGTH COMPOSITE COMPONENT AND METHOD OF FABRICATION	United States	US	[Issued] S/N: 07/153,725 P/N: 5,032,147	[Awaiting] 2/8/88		
[Awaiting]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH IMPROVED IMPACT RESISTANCE	United States	US	[Issued] S/N: 07/390,208 P/N: 5,011,615	[Awaiting] 8/7/89		
[Awaiting]	COMPOSITE COMPACT WITH A MORE THERMALLY STABLE CUTTING EDGE AND METHOD OF MANUFACTURING THE SAME	United States	US	[Issued] S/N: 07/390,204 P/N: 5,011,509	[Awaiting] 8/7/89		
[Awaiting]	COMPOSITE ABRASIVE COMPACT HAVING HIGH THERMAL STABILITY AND TRANSVERSE RUPTURE STRENGTH	United States	US	[Issued] S/N: 07/161,942 P/N: 4,871,377	[Awaiting] 2/3/88		
[Awaiting]	MATRIX CUTTER	United States	US	[Filed] S/N: 10/183,098	[Awaiting]		
[Awaiting]	ENHANCED METHOD FOR MAKING CVD DIAMOND	United States	US	[Filed] S/N: 10/161,266	[Awaiting] 6/3/02		



## APPENDIX B

Docket Number	Title	Filing Country	Country Code	Filing No./Type/SUPN	Filing Date	Agent	Comments
112200 [Filed]	POLYCRYSTALLINE DIAMOND TIPS ON CUTTERS FOR HIGH SPEED DISC SAW-HEADS FOR APPLICATION IN THE TIMBER INDUSTRY	United States	US	Provisional [Filed] S/N: 60/473511	23-May-03		
123571 [Filed]	AUTOCATALYTIC NICKEL-BORON COATING PROCESS FOR DIAMOND PARTICLES	United States	US	Provisional [Filed] S/N: 60/438957	9-Jan-03		
123989 [Filed]	LASER SUPPORT NICKEL-PLATING OF SUPERABRASIVE TOOL	United States	US	S/N: 10/172,034	14-Jun-02		
124337 [Filed]	CUTTING TOOL INSERT DESIGNED WITH MINIMIZED RESIDUAL TENSILE STRESSES	United States	US	Provisional [Filed] S/N: 60/395,182	10-Jul-02		
124337 [Filed]	CUTTING TOOL INSERT DESIGNED WITH MINIMIZED RESIDUAL TENSILE STRESSES	United States	US	S/N: 10/458903 P/N: 6666763	11-Jun-03		
125174 [Filed]	CUTTING TOOL WITH TWO-SLOPE PROFILE DESIGNED WITH MINIMIZED AXIAL SURFACE RESIDUAL STRESSES	United States	US	Provisional [Filed] S/N: 60/395,181	10-Jul-02		
125174 [Filed]	CUTTING TOOL WITH TWO-SLOPE PROFILE DESIGNED WITH MINIMIZED AXIAL SURFACE RESIDUAL STRESSES	United States	US	S/N: 10/455008	5-Jun-03		
125185 [Filed]	METHOD TO IMPROVE WEAR UNIFORMITY OF DIAMOND-CONTAINING SEGMENTS ON BLADES FOR STABBING GRANITE	United States	US	Provisional [Filed] S/N: 60/432222	10-Dec-02		
125185 [Filed]	METHOD TO IMPROVE WEAR UNIFORMITY OF DIAMOND-CONTAINING SEGMENTS ON BLADES FOR STABBING GRANITE	United States	US	S/N 10/731,066	9-Dec-03		
125877 [Filed]	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	United States	US	Provisional [Filed] S/N: 60/382209	21-May-02		
125877 [Filed]	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	United States	US	S/N: 10/437469	8-Jul-03		
125877 [Filed]	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	United States	US	125877 -7 Original [Filed]			
126337 [Filed]	SCRATCH-PROOF COMPOSITE WATCH GLASS	United States	US	Provisional [Filed] S/N: 60/399778	31-Jul-02		
126360 [Filed]	A SINTERED COMPACT FOR USE IN MACHINING CHEMICALLY REACTIVE MATERIALS	United States	US	Provisional [Filed] S/N: 60/391707	28-Jun-02		
126360 [Filed]	A SINTERED COMPACT FOR USE IN MACHINING CHEMICALLY REACTIVE MATERIALS	United States	US	S/N: 10/437516	14-May-03		
126855 [Filed]	METHOD FOR PRODUCING SINTERED POLYCRYSTALLING DIAMOND ON TUNGSTEN CARBIDE SUBSTRATES	United States	US	Provisional [Filed] S/N: 60/414987	1-Oct-02		
126855 [Filed]	METHOD FOR PRODUCING SINTERED POLYCRYSTALLING DIAMOND ON TUNGSTEN CARBIDE SUBSTRATES	United States	US	S/N 10/621,710	17-Jul-03		
129177 [Filed]	EXTRUSION AND COMPOUNDING EQUIPMENT COMPONENTS WITH IMPROVED WEAR RESISTANCE	United States	US	Provisional [Filed] S/N: 60/445631	7-Feb-03		
129178 [Filed]	IMPROVED WEAR RESISTANT COMPONENTS FOR SIZE REDUCTION AND SIZE CLASSIFICATION EQUIPMENT	United States	US	Provisional [Filed] S/N: 60/445615	7-Feb-03		

Doc#	Doc#	Title	Filing Country	Country Code	Filing No./Type/SN/UPN	Filing Date	Agent	Comments
129182	[Filed]	WEAR CONTROL IN CONTINUOUS GLASS FIBER PLANTS	United States	US	Provisional [Filed] S/N: 60/445614	7-Feb-03		
129184	[Filed]	WEAR-RESISTANT DRILL BIT BODIES AND OTHER COMPONENTS FOR OIL AND GAS DRILLING	United States	US	Provisional [Filed] S/N: 60/445659	7-Feb-03		
129892	[Filed]	WEAR AND CORROSION RESISTANT ORIFICE AND RELATED COMPONENTS	United States	US	Provisional [Filed] S/N: 60/445633	7-Feb-03		
130335	[Filed]	ARTICLES COMPRISING AN ABRASION-RESISTANT RESINOUS SKIN INTEGRALLY BONDED WITH GRADED INTERFACE TO A RESINOUS CORE MATERIAL	United States	US	Provisional [Filed] S/N: 60/440455	15-Jan-03		
130335	[Filed]	ARTICLES COMPRISING AN ABRASION-RESISTANT RESINOUS SKIN INTEGRALLY BONDED WITH GRADED INTERFACE TO A RESINOUS CORE MATERIAL	United States	US	Provisional [Filed] S/N: 60/464517	22-Apr-03		
131068	[Filed]	WEAR AND CORROSION PREVENTION IN FIREARMS	United States	US	Provisional [Filed] S/N: 60/445609	7-Feb-03		
132255	[Filed]	AIRCRAFT ENGINE WEAR PARTS	United States	US	Provisional [Filed] S/N: 60/445632	7-Feb-03		
132270	[Filed]	CLIPPER BLADE SETS AND COMBS WITH IMPROVED WEAR RESISTANCE	United States	US	Provisional [Filed] S/N: 60/445610	7-Feb-03		
132876	[Filed]	SELECTION OF DIAMONDS GRIT MORPHOLOGY AND SIZE DISTRIBUTION FOR CMP CONDITIONER APPLICATION	United States	US	Provisional [Filed] S/N: 60/509,625	8-Oct-03		
133139	[Filed]	IMPROVED WEAR PERFORMANCE TOOLS FOR METAL, PLASTIC, CERAMIC AND COMPOSITE FORMING	United States	US	Provisional [Filed] S/N: 60/447808	14-Feb-03		
133140	[Filed]	PCD AND PCBN TOOL BLANKS WITH PREFIXED BRAZE ALLOY	United States	US	Provisional [Filed] S/N: 60/445613	7-Feb-03		
133141	[Filed]	COATINGS WITH HIGHLY TORTUOUS SURFACE TOPOGRAPHY FOR ABRASIVE/SUPERABRASIVE PARTICLES USED IN METALS/CERAMIC/POLYMER MATRIX COMPOSITES	United States	US	Provisional [Filed] S/N: 60/469285	8-May-03		
133615	[Filed]	IMPROVED TOOLS FOR MACHINING FIBER CEMENTS	United States	US	Provisional [Filed] S/N: 60/453,487	11-Mar-03		
133794	[Filed]	SUPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELIMINATE HOT-BRAZING IN TOOL FABRICATION	United States	US	Provisional [Filed] S/N: 60/470306	14-May-03		
133794	[Filed]	SUPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELIMINATE HOT-BRAZING IN TOOL FABRICATION	United States	US	S/N 10/690,761	22-Oct-03		
133920	[Filed]	DRILL BITS, ROUTER BITS, PROFILE CUTTERS, FILES, PLANING AND SAW BLADES WITH IMPROVED WEAR RESISTANCE	United States	US	Provisional [Filed] S/N: 60/469287	9-May-03		
133975	[Filed]	METHOD TO IMPROVE TOOL INTEGRITY WHEN CUTTING STONE	United States	US	Provisional [Filed] S/N: 60/495,488	14-Aug-03		
135143	[Filed]	A METHOD OF MAKING ABRASIVE TOOLS FROM BI-MODAL DIAMOND OR CUBIC BORON NITRIDE POWDER	United States	US	Provisional [Filed] S/N: 60/467311	2-May-03		

Doc#	Doc# Number	Title	Filing Country	Country Code	Filing No./Type/SN/PN	Filing Date	Agent	Comments
136255	[Filed]	SINTERED COMPACT FOR USE IN MACHINING VARIOUS CAST IRON MATERIALS	United States	US	Provisional (Prel) S/N 64/524576	3-Dec-03		
145361	[Filed]	COMPRESSION CONTAINER FOR POLYCRYSTALLINE WIRE DIE	United States	US	Provisional (Prel) S/N 60/528372	10-Dec-03		
60SD10	[Filed]	DIAMOND AND CBN ABRASIVE COMPACTS USING SIZE SELECTIVE ABRASIVE PARTICLE LAYERS	United States	US	S/N: 219289 P/N: 4311490	7-Sep-88		
60SD147	[Filed]	RE-SINTERED BORON-RICH POLYCRYSTALLINE CUBIC BORON NITRIDE AND MET HOD FOR MAKING SAME	United States	US	S/N: 823893 P/N: 4673414	29-Jan-86		
60SD184	[Filed]	GANG SAW FOR CUTTING BLOCKS OF STONE	United States	US	S/N: 515448 P/N: 4498450	20-Jul-83		
60SD240	[Filed]	PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	US	S/N: 542081 P/N: 4525179	14-Oct-83		
60SD242	[Filed]	PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	US	S/N: 488003 P/N: 4536442	2-May-83		
60SD245	[Filed]	MERGED WITH 60-SD-259 FOR FILING	United States	US	S/N: 818850 P/N: 4797326	14-Jan-86		
60SD24559	[Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS	United States	US	S/N: 818850 P/N: 4797326	14-Jan-86		
60SD246	[Filed]	GANG SAW FOR CUTTING BLOCKS OF STONE	United States	US	S/N: 515448 P/N: 4498450	20-Jul-83		
60SD249	[Filed]	SWEEP THROUGH PROCESS FOR MAKING POLYCRYSTALLINE COMPACTS	United States	US	S/N: 536221 P/N: 4518659	23-Sep-83		
60SD251	[Filed]	IMPROVED PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	US	S/N: 552081 P/N: 4525179	14-Oct-83		
60SD254	[Filed]	COATED OXIDATION-RESISTANT POROUS ABRASIVE COMPACT AND METHOD FOR MAKING SAME	United States	US	S/N: 06/920041 P/N: 4738689	16-Oct-86		
60SD256	[Filed]	POLYCRYSTALLINE SANDWICH COMPACTS AND METHOD FOR MAKING SAME	United States	US	S/N: 07/277675 P/N: 5009673	30-Nov-88		
60SD257	[Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	United States	US	S/N: 697668 P/N: 4810447	4-Feb-85		
60SD257	[Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	United States	US	S/N: 8491 P/N: 4832708	27-Jan-87		
60SD261	[Filed]	PROCESS FOR PREPARING POLYCRYSTALLINE CBN CERAMIC MASSES AND RESULTING PRODUCT	United States	US	S/N: 7366943 P/N: 5043120	16-Jun-89		
60SD262	[Filed]	BRAZED COMPOSITE COMPACT IMPLEMENTS	United States	US	S/N: 624064 P/N: 4527998	25-Jun-84		
60SD303	[Filed]	REFRACTORY METAL OXIDE COATED ABRASIVES AND GRINDING WHEELS MADE THEREFROM	United States	US	S/N: 07/358728 P/N: 4951427	30-May-89		
60SD305	[Filed]	STUD-MOUNTED POLYCRYSTALLINE TOOTHED DIAMOND CUTTING BLANKS	United States	US	S/N: 7/192872 P/N: D317010	11-May-88		
60SD308	[Filed]	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	United States	US	S/N: 7/365268 P/N: 4931363	12-Jun-89		

Coater Number	Title	Filing Country	Country Code	Filing No./Type/SN/PN	Filing Date	Agent	Comments
60SD30811 [Filed]	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	United States	US	S/N: 158575 P/N: 4899972	22-Feb-88		
60SD317 [Filed]	COATED OXIDATION-RESISTANT POROUS ABRASIVE COMPACT AND METHOD FOR MAKING SAME	United States	US	S/N: 920041 P/N: 47386689	16-Oct-86		
60SD318 [Filed]	BONDING OF THERMALLY STABLE ABRASIVE COMPACTS TO CARBIDE SUPPORTS	United States	US	S/N: 07/158338 P/N: 4850523	22-Feb-88		
60SD327 [Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	United States	US	S/N: 008491 P/N: 4832708	29-Jan-87		
60SD333 [Filed]	OPTICAL WINDOWS MADE OF POLYCRYSTALLINE ADAMANTANE BORON NITRIDE OR DIAMOND	United States	US	S/N: 488003 P/N: 4536442	2-May-83		
60SD332 [Filed]	METHOD OF MAKING DIAMOND TOOL	United States	US	S/N: 713966 P/N: 4661180	25-Mar-85		
60SD333 [Filed]	POLYCRYSTALLINE ABRASIVE GRIT	United States	US	S/N: 153466 P/N: 4828582	3-Feb-88		
60SD333V [Filed]	POLYCRYSTALLINE ABRASIVE GRIT	United States	US	S/N: 793462 P/N: 4828582	1-Sep-88		
60SD358 [Filed]	PRODUCTS AND PROCESS FOR MAKING MULTIGRAIN ABRASIVE COMPACTS	United States	US	S/N: 07/669259 P/N: 5211726	14-Mar-91		
60SD364 [Filed]	MULTIGRAIN ABRASIVE PARTICLES	United States	US	S/N: 07/669124 P/N: 5106392	14-Mar-91		
60SD367 [Filed]	CHIP BREAKER FOR POLYCRYSTALLINE CBN AND DIAMOND COMPACTS	United States	US	S/N: 7/429661 P/N: 5026960	31-Oct-89		
60SD368 [Filed]	DIAMOND AND CUBIC BORON NITRIDE	United States	US	S/N: 156272 P/N: 4807402	12-Feb-88		
60SD389 [Filed]	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANKS	United States	US	S/N: 328347 P/N: D330206	24-Mar-89		
60SD390 [Filed]	RECIPROCATING POINT ROTARY DIAMOND	United States	US	S/N: 07/635082 P/N: 5172681	28-Dec-90		
60SD401 [Filed]	INTERLOCKING MOUNTED ABRASIVE COMPACTS	United States	US	S/N: 332814 P/N: D325226	3-Apr-89		
60SD412 [Filed]	SAWBLADE SEGMENTS UTILIZING POLYCRYSTALLINE DIAMOND GRIT	United States	US	S/N: 262405 P/N: 4883500	25-Oct-88		
60SD419 [Filed]	SUPPORTED THERMALLY STABLE CUBIC BORON NITRIDE TOOLS BLANKS AND METHOD FOR MAKING THE SAME	United States	US	S/N: 7/394349 P/N: 4985050	15-Aug-89		
60SD428 [Filed]	DIAMOND COMPACTS FOR ROCK DRILLING AND MACHINING	United States	US	S/N: 7/420191 P/N: 5022894	12-Oct-89		
60SD437 [Filed]	METHOD FOR PRODUCING POLYCRYSTALLINE COMPACT TOOL BLANKS WITH FLAT CARBIDE SUPPORT/DIAMOND OR CBN INTERFACES	United States	US	S/N: 331928 P/N: 4954139	31-Mar-89		
60SD439 [Filed]	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANK	United States	US	S/N: 328348 P/N: D324527	24-Mar-89		
60SD439 [Filed]	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANK	United States	US	S/N: 7/328348 P/N: 324527	24-Mar-89		
60SD440 [Filed]	INTERLOCKING MOUNTED ABRASIVE COMPACTS	United States	US	S/N: 332828 P/N: D324056	3-Apr-89		
60SD455 [Filed]	CBN/CBN COMPOSITE MASSES AND THEIR PREPARATION	United States	US	S/N: 7/630916 P/N: 5106792	20-Dec-90		
60SD458 [Filed]	MULTI-LAYER METAL COATED DIAMOND ABRASIVES FOR SINTERED METAL BONDED TOOLS	United States	US	S/N: 07/857132 P/N: 5250086	25-Mar-92		

Docket Number	Title	Filing Country	Country Code	Filing No./Type/SN/PN	Filing Date	Agent	Comments
60SD461 [Filed]	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	United States	US	S/N: 365268 P/N: 4931363	12-Jun-89		
60SD469 [Filed]	POLYCRYSTALLINE CVD DIAMOND SUBSTRATE FOR SINGLE CRYSTAL EPITAXIAL GROWTH OF SEMICONDUCTORS FORMERLY	United States	US	S/N: 07/479486 P/N: 4981818	13-Feb-90		
60SD493 [Filed]	CVD DIAMOND COATED ANNULUS COMPONENTS AND THEIR METHOD OF FABRICATION	United States	US	S/N: 08/127964 P/N: 5508071	28-Sep-93		
60SD498 [Filed]	CVD DIAMOND FOR COATING TWIST DRILLS	United States	US	S/N: 07/563367 P/N: 5096736	7-Aug-90		
60SD498 [Filed]	CVD DIAMOND FOR COATING TWIST DRILLS	United States	US	S/N: 07/929239 P/N: 5256206	14-Aug-92		
60SD499 [Filed]	CVD DIAMOND COATED TWIST DRILLS	United States	US	S/N: 07/555879 P/N: 5022801	18-Jul-90		
60SD504 [Filed]	USING THERMALLY-STABLE DIAMOND OR CBN COMPACTS AS TIPS FOR ROTARY DRILLS	United States	US	S/N: 07/577379 P/N: 5273557	4-Sep-90		
60SD506 [Filed]	ISOTOPICALLY PURE SINGLE CRYSTAL EPITAXIAL DIAMOND FILMS AND THEIR PREPARATION	United States	US	S/N: 07/547651 P/N: 5360479	2-Jul-90		
60SD518 [Filed]	THERMALLY STABLE DENSE ELECTRICALLY CONDUCTIVE DIAMOND COMPACTS	United States	US	S/N: 07/773461 P/N: 5286236	9-Oct-91		
60SD528 [Filed]	MULTILAYER CVD DIAMOND FILMS	United States	US	S/N: 08/400555 P/N: 5491002	8-Mar-95		
60SD567 [Filed]	CHEMICALLY BONDED ADHERENT COATING FOR ABRASIVE COMPACTS AND METHOD FOR MAKING SAME	United States	US	S/N: 07/710725 P/N: 5173091	4-Jun-91		
60SD576 [Filed]	SMOOTH SURFACE CVD DIAMOND FILMS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 07/987461 P/N: 5439492	28-Oct-92		
60SD576 [Filed]	SMOOTH SURFACE CVD DIAMOND FILMS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 08/220946 P/N: 5523121	31-Mar-94		
60SD577 [Filed]	CARBON FLUORIDE COMPOSITIONS	United States	US	S/N: 08/073991 P/N: 5380557	3-Jun-93		
60SD578 [Filed]	METHOD FOR MAKING SMOOTH SUBSTRATE MANDRELS	United States	US	S/N: 07/815478 P/N: 5176803	4-Mar-92		
60SD581 [Filed]	METHOD FOR PRODUCING UNIFORM CYLINDRICAL TUBES OF CVD DIAMOND	United States	US	S/N: 08/138888 P/N: 5387447	19-Oct-93		
60SD582 [Filed]	PROCESS FOR MAKING COATED ABRASIVES FOR GRINDING WHEELS	United States	US	S/N: 08/032750 P/N: 5306318	17-Mar-93		
60SD583 [Filed]	COATING FOR IMPROVED RETENTION OF CBN IN VITREOUS BOND MATRICES	United States	US	S/N: 08/005951 P/N: 5300129	19-Jan-93		
60SD584 [Filed]	DUAL-COATED DIAMOND PELLETS AND SAW BLADE SEGMENTS MADE THEREWITH	United States	US	S/N: 07/762999 P/N: 5143523	20-Sep-91		
60SD615 [Filed]	METHOD FOR CONTROLLING THE PARTICLE SIZE DISTRIBUTION IN THE PRODUCTION OF MULTICRYSTALLINE CUBIC BORON NITRIDE	United States	US	S/N: 07/995229 P/N: 5985228	22-Dec-92		
60SD628 [Filed]	DIAMOND PELLETS AND SAW BLADE SEGMENTS MADE THEREWITH	United States	US	S/N: 07/857192 P/N: 5405573	4-May-92		
60SD633 [Filed]	MULTI-LAYER METAL COATED DIAMOND ABRASIVES WITH AN ELECTROLESSLY DEPOSITED METAL LAYER	United States	US	S/N: 07/857139 P/N: 5232469	25-Mar-92		

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60SD643	[Filed]	SUPPORTED POLYCRYSTALLINE DIAMOND COMPACT HAVING A CUBIC BORON NITR IDE INTERLAYER FOR IMPROVED PHYSICAL PROPE RTIES	United States	US	S/N: 08/3222841 P/N: 5510193	13-Oct-94		
60SD643	[Filed]	SUPPORTED POLYCRYSTALLINE DIAMOND COMPACT HAVING A CUBIC BORON NITR IDE INTERLAYER FOR IMPROVED PHYSICAL PROPE RTIES	United States	US	S/N: 08/595715 P/N: 5603070	2-Feb-96		
60SD645	[Filed]	PREPARATION OF THIN FREE-STANDING DIAMOND FILMS	United States	US	S/N: 08/369047 P/N: 5490963	5-Jan-95		
60SD647	[Filed]	FINE GRAIN DIAMOND WORKPIECES	United States	US	S/N: 07/967461 P/N: 5439492	28-Oct-92		
60SD652	[Filed]	ABRASIVE TOOL INSERT SEE CIP 60SD00658	United States	US	S/N: 08/095631 P/N: 5484330	21-Jul-93		
60SD652	[Filed]	ABRASIVE TOOL INSERT SEE CIP 60SD00658	United States	US	S/N: 08/271307 P/N: 5486137	6-Jul-94		
60SD653	[Filed]	REDUCTION OF STRESSES IN THE POLYCRYSTALLINE ABRASIVE LAYER OF A C OMPOSITE COMPACT IN THE IN SITU BONDED CAR BIDE/CARBIDE SUPPORT	United States	US	S/N: 08/489877 P/N: 5560754	13-Jun-95		
60SD658	[Filed]	ABRASIVE TOOL INSERT SEE CIP	United States	US	S/N: 08/105523 P/N: 5494477	11-Aug-93		
60SD660	[Filed]	PROCESS FOR PREPARING POLYCRYSTALLINE CBN CERAMIC MASSES AND RESUL TING PRODUCT	United States	US	S/N: 07/985500 P/N: 5320988	1-Dec-92		
60SD662	[Filed]	METHOD OF SEPARATION OF PIECES FROM SUPER HARD MATERIAL BY PARTIAL LASER CUT AND PRESSURE CLEAVAGE	United States	US	S/N: 08/060459 P/N: 5387776	11-May-93		
60SD664	[Filed]	CLASSIFYING AND SORTING CRYSTALLINE OBJECTS	United States	US	S/N: 08/400556 P/N: 5544254	8-Mar-95		
60SD665	[Filed]	MEASURING THE STRENGTH OF ABRASIVE GRAINS	United States	US	S/N: 08/016638 P/N: 5392633	12-Feb-93		
60SD669	[Filed]	PROCESS FOR MAKING COATED ABRASIVES FOR GRINDING WHEELS	United States	US	S/N: 08/032750 P/N: 5306318	17-Mar-93		
60SD690	[Filed]	MULTIPLE GRAINED DIAMOND WIRE DIE	United States	US	S/N: 08/143802 P/N: 5361621	27-Oct-93		
60SD691	[Filed]	OPTICALLY IMPROVED DIAMOND WIRE DIE	United States	US	S/N: 08/148803 P/N: 5465603	5-Nov-93		
60SD693	[Filed]	ABRASIVE COMPACT WITH IMPROVED PROPERTIES	United States	US	S/N: 08/571312 P/N: 5855996	12-Dec-95		
60SD693	[Filed]	ABRASIVE COMPACT WITH IMPROVED PROPERTIES	United States	US	S/N: 09/087778 P/N: 6132675	29-May-98		
60SD694	[Filed]	DIAMOND WIRE DIE	United States	US	S/N: 08/121014 P/N: 5363687	14-Sep-93		
60SD696	[Filed]	ABRASIVE TOOL INSERT	United States	US	S/N: 08/271307 P/N: 5486137	6-Jul-94		
60SD698	[Filed]	CVD DIAMOND COATING ANNULUS COMPONENTS AND METHOD OF THEIR FABRICATION	United States	US	S/N: 08/127964 P/N: 5508071	28-Sep-93		
60SD701	[Filed]	DIAMOND WIRE DIE WITH POSITIONED OPENING	United States	US	S/N: 08/144168 P/N: 5377522	27-Oct-93		
60SD708	[Filed]	A METHOD FOR MANUFACTURING A DIAMOND ARTICLE	United States	US	S/N: 08/310449 P/N: 5529805	22-Sep-94		
60SD709	[Filed]	FABRICATION OF AIR BRAZABLE DIAMOND TOOL INSERTS AND INSERTS FABRI CATED THEREBY	United States	US	S/N: 08/286076 P/N: 5500248	4-Aug-94		
60SD709	[Filed]	FABRICATION OF AIR BRAZABLE DIAMOND TOOL INSERTS AND INSERTS FABRI CATED THEREBY	United States	US	S/N: 08/583360 P/N: 5647878	5-Jan-98		

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60SD712	[Filed]	METHOD FOR ENHANCING THE TOUGHNESS OF CVD DIAMOND	United States	US	S/N: 08/238543 P/N: 5451430	5-May-94		
60SD713	[Filed]	METHOD FOR ENHANCING THE TOUGHNESS OF CVD DIAMOND	United States	US	S/N: 08/654815 P/N: 5672395	29-May-96		
60SD714	[Filed]	ANNULAR DIAMOND BODIES	United States	US	S/N: 08/311658 P/N: 5551277	23-Sep-94		
60SD715	[Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS HAVING IMPROVED PHYSICAL PROPERTIES AND METHOD FOR MAKING SAME	United States	US	S/N: 08/239156 P/N: 5512235	6-May-94		
60SD715	[Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS HAVING IMPROVED PHYSICAL PROPERTIES AND METHOD FOR MAKING SAME	United States	US	S/N: 08/616997 P/N: 5773140	14-Mar-96		
60SD721	[Filed]	WIRE DRAWING DIE HAVING IMPROVED PHYSICAL PROPERTIES NO DIVISIONAL DUE PER GLL	United States	US	S/N: 08/412050 P/N: 5660075	28-Mar-95		
60SD726	[Filed]	A FINE GRAIN DIAMOND TOOL AND METHOD OF MANUFACTURE	United States	US	S/N: 08/551593 P/N: 5660936	1-Nov-95		
60SD728	[Filed]	PREPARATION OF THIN FREE-STANDING DIAMOND FILMS	United States	US	S/N: 08/369047 P/N: 5490963	5-Jan-95		
60SD731	[Filed]	CLASSIFYING AND SORTING CRYSTALLINE OBJECTS	United States	US	S/N: 08/400556 P/N: 5544254	8-Mar-95		
60SD732	[Filed]	MULTILAYER CVD DIAMOND FILMS	United States	US	S/N: 08/400555 P/N: 5491002	8-Mar-95		
60SD745	[Filed]	METHOD FOR PRODUCING UNIFORMLY HIGH QUALITY ABRASIVE COMPACTS	United States	US	S/N: 08/555672 P/N: 5669944	13-Nov-95		
60SD749	[Filed]	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH REDUCED FAILURE DURING BRAZING	United States	US	S/N: 08/975028 P/N: 6042463	20-Nov-97		
60SD750	[Filed]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT NO DIV DUE PER EPA 51/97	United States	US	S/N: 08/591879 P/N: 5662720	26-Jan-96		
60SD752	[Filed]	POLYCRYSTALLINE DIAMOND COMPACT (PDC) CUTTER WITH IMPROVED CUTTING CAPABILITY	United States	US	S/N: 08/975429 P/N: 6045440	20-Nov-97		
60SD753	[Filed]	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH IMPROVED CUTTING BY PREVENTING CHIP BUILD UP	United States	US	S/N: 09/131460 P/N: 6196910	10-Aug-98		
60SD760A	[Filed]	POLYCRYSTALLINE DIAMOND CUTTING ELEMENT	United States	US	S/N: 08/777213 P/N: 5848657	27-Dec-96		
60SD768	[Filed]	AN IMPROVED ABRASIVE CUTTING ELEMENT AND DRILL BIT	United States	US	S/N: 08/611896 P/N: 5743346	6-Mar-96		
60SD769	[Filed]	POLYCRYSTALLINE DIAMOND CUTTING ELEMENT WITH DIAMOND RIDGE PATTERN	United States	US	S/N: 08/777222 P/N: 5829541	27-Dec-96		
60SD772	[Filed]	COATED CBN POLYCRYSTALLINE SUPERABRASIVE TOOLS	United States	US	S/N: 08/779417	7-Jan-97		
60SD772	[Filed]	COATED CBN POLYCRYSTALLINE SUPERABRASIVE TOOLS	United States	US	S/N: 10/411471	8-Apr-03		
60SD774	[Filed]	METHOD FOR PRODUCING CUBIC BORON NITRIDE USING MELAMINE AS A CATALYST	United States	US	S/N: 09/072144 P/N: 5869015	4-May-98		
60SD784	[Filed]	SYNTHETIC GASKET MATERIAL FOR USE IN HIGH PRESSURE PRESSES TRANS FMMEGADIAMOND	United States	US	S/N: 08/874769 P/N: 5856525	13-Jun-97		



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60SD785 [Filed]	THERMALLY-DIFFUSED BORON DIAMOND AND ITS PRODUCTION	United States	US	S/N: 09/561128 P/N: 6322891	28-Apr-00		
60SD787 [Filed]	SUPERABRASIVE CUTTING ELEMENT WITH ENHANCED STIFFNESS, THERMAL CONDUCTIVITY AND CUTTING EFFICIENCY	United States	US	S/N: 08/783171 P/N: 6009963	14-Jan-97		
60SD788 [Filed]	WIRE DRAWING DIE WITH NON-CYLINDRICAL INTERFACE CONFIGURATION FOR REDUCING STRESSES	United States	US	S/N: 08/950004 P/N: 5957005	14-Oct-97		
60SD788 [Filed]	WIRE DRAWING DIE WITH NON-CYLINDRICAL INTERFACE CONFIGURATION FOR REDUCING STRESSES	United States	US	S/N: 09/358271 P/N: 6314836	21-Jul-99		
60SD794 [Filed]	AXISYMMETRIC CUTTING ELEMENT	United States	US	S/N: 09/497095 P/N: 6260640	27-Jan-00		
60SD795 [Filed]	SHAPED POLYCRYSTALLINE CUTTER ELEMENTS	United States	US	S/N: 09/072471 P/N: 6102143	4-May-98		
60SD796 [Filed]	TITANIUM CHROMIUM ALLOY COATED DIAMOND CRYSTALS FOR USE IN SAW BLADE SEGMENTS AND METHOD FOR THEIR PRODUCTION	United States	US	S/N: 09/570957 P/N: 6319608	15-May-00		
60SD802 [Filed]	HIGH PRESSURE/HIGH TEMPERATURE PRODUCTION OF COLORLESS AND FANCY COLORED DIAMONDS	United States	US	S/N: 10/338136	8-Jan-03		
60SD805 [Filed]	HIGH PRESSURE APPARATUS HAVING TRANSITION SLOPE BINDING RING THAT MITIGATES TENSILE STRESSES AND CORRESPONDING METHOD	United States	US	S/N: 09/740777 P/N: 6375446	19-Dec-00		
60SD806 [Filed]	LOW OXYGEN CUBIC BORON NITRIDE	United States	US	S/N: 10/001573	2-Nov-01		
60SD811 [Filed]	CRYSTAL MIXING FOR LOW POWER GRINDING	United States	US	S/N: 09/988244	16-Nov-01		
60SD812 [Filed]	METHOD AND APPARATUS FOR CUTTING GRANITE	United States	US	S/N: 60/139654	17-Jun-99		
60SD812 [Filed]	METHOD AND APPARATUS FOR CUTTING GRANITE	United States	US	S/N: 10/014547	14-Dec-01		
60SD817 [Filed]	HIGH PRESSURE/HIGH TEMPERATURE PRODUCTION OF COLORED DIAMONDS	United States	US	S/N: 10/069362	25-Aug-00		
60SD820 [Filed]	SURFACE MODIFICATION OF COATED ABRASIVES TO ENHANCE THEIR ADHESION IN RESIN BOND TOOLS	United States	US	S/N: 09/901159	9-Jul-01		
60SD827 [Filed]	ABRASIVE TOOL INSERTS AND THEIR PRODUCTION	United States	US	S/N: 09/845540 P/N: 6315652	30-Apr-01		
60SD831 [Filed]	HIGH PRESSURE AND HIGH TEMPERATURE PRODUCTION OF DIAMONDS	United States	US	S/N: 60/224485	11-Aug-00		
60SD831 [Filed]	HIGH PRESSURE AND HIGH TEMPERATURE PRODUCTION OF DIAMONDS	United States	US	S/N: 10/344249	11-Feb-03		
60SD838 [Filed]	SILVER-COATED ABRASIVES, TOOLS CONTAINING SILVER-COATED ABRASIVES, AND APPLICATIONS OF THESE TOOLS	United States	US	S/N: 09/776141 P/N: 6666753	2-Feb-01		
60SD839 [Filed]	JADEITE AND ITS PRODUCTION	United States	US	S/N: 09/737667	15-Dec-00		
60SD839 [Filed]	JADEITE AND ITS PRODUCTION	United States	US	S/N: 09/799192	5-Mar-01		
60SD845 [Filed]	BORON DOPED BLUE DIAMOND AND ITS PRODUCTION	United States	US	S/N: 09/935957	23-Aug-01		

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60SD845 [Filed]	BORON DOPED BLUE DIAMOND AND ITS PRODUCTION	United States	US	S/N: 107262784	2-Oct-02		
60SD851 [Filed]	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND USE THEREOF IN VITREOUS MATRIX COMPOSITES	United States	US	S/N: 09/987863 P/N: 6475254	16-Nov-01		
60SD851 [Filed]	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND USE THEREOF IN VITREOUS MATRIX COMPOSITES	United States	US	S/N: 10/174914 P/N: 6596040	19-Jun-02		
60SD852 [Filed]	HIGH PRESSURE PRODUCTION OF PEROVSKITES	United States	US	S/N: 09/931312	16-Aug-01		
RD14877 [Filed]	SINTERED POLYCRYSTALLINE DIAMOND COMPACT CONSTRUCTION WITH INTEGRAL HEAT SINK	United States	US	S/N: 652242 P/N: 4605343	20-Sep-84		
RD16334 [Filed]	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	US	S/N: 830414 P/N: 4690691	13-Feb-86		
RD17340 [Filed]	DIAMOND CRYSTAL GROWTH PROCESS	United States	US	S/N: 07/332914 P/N: 5261959	4-Apr-89		
RD17340 [Filed]	DIAMOND CRYSTAL GROWTH PROCESS	United States	US	S/N: 08/150633 P/N: 5516554	10-Nov-93		
RD18037 [Filed]	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	US	S/N: 48176 P/N: 4797138	11-May-87		
RD18037 [Filed]	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	US	S/N: 07/048176 P/N: 4797138	11-May-87		
RD18116 [Filed]	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 07/744815 P/N: 5310447	12-Aug-91		
RD18402 [Filed]	EXCIMER LASER PATTERNING OF A NOVEL RESIST	United States	US	S/N: 224416 P/N: 4842677	26-Jul-88		
RD18693 [Filed]	METHOD FOR IMPROVING ADHESION OF SYNTHETIC DIAMOND COATINGS TO SUBSTRATES	United States	US	S/N: 07/653556 P/N: 5190823	11-Feb-91		
RD19369 [Filed]	TRANSPARENT DIAMOND FILMS AND METHOD FOR MAKING	United States	US	S/N: 07/407179 P/N: 5110579	14-Sep-89		
RD19369 [Filed]	TRANSPARENT DIAMOND FILMS AND METHOD FOR MAKING	United States	US	S/N: 07/859753 P/N: 5273731	30-Mar-92		
RD19567 [Filed]	FREE STANDING DIAMOND SHEET AND METHOD AND APPARATUS FOR MAKING SAME	United States	US	S/N: 07/537963 P/N: 5464071	13-Jun-90		
RD20142 [Filed]	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 08/163608 P/N: 5419276	6-Dec-93		
RD20142 [Filed]	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 08/368732 P/N: 5540904	4-Jan-95		
RD20790 [Filed]	APPARATUS FOR PRODUCING DIAMONDS BY CHEMICAL VAPOR DEPOSITION AND ARTICLES PRODUCED THEREFROM	United States	US	S/N: 07/948077 P/N: 5204145	21-Sep-92		
RD20983 [Inactivated]	ARTIFICIAL POLYMER LATICES IN CORE-SHELL FORM AND METHOD OF PREPARATION	United States	US	S/N: 07/980,444 P/N: 5356955	23-Nov-93		
RD21018 [Filed]	METHOD FOR IMPROVING ADHESION OF SYNTHETIC DIAMOND COATINGS TO SUBSTRATES	United States	US	S/N: 07/653556 P/N: 5190823	11-Feb-91		
RD21033 [Filed]	IMPROVED METHOD OF APPLYING METAL COATINGS ON DIAMOND AND ARTICLES MADE THEREFROM	United States	US	S/N: 07/722575 P/N: 5190796	27-Jun-91		

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	RD21034	[Inventive] METHOD OF PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION AND THE SUPPORT MANDRELS USED THEREIN	United States	US	S/N: 08/119448 P/N: 5869133	9-Sep-93		
	RD21356	[Filed] METHOD FOR PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION	United States	US	S/N: 07/845992 P/N: 5175929	4-Mar-92		
	RD21493	[Filed] METHOD OF APPLYING METAL COATING ON CUBIC OR ON NITRIDE AND ARTICLE S MADE THEREFROM	United States	US	S/N: 07/738758 P/N: 5188643	1-Aug-91		
	RD21661	[Filed] PREHEATER FOR CVD DIAMOND REACTOR	United States	US	S/N: 08/306077 P/N: 5479874	14-Sep-94		
	RD21796	[Filed] SUPPRESSION OF GRAPHITE FORMATION DURING LASER ETCHING OF DIAMOND	United States	US	S/N: 08/248896 P/N: 5419798	25-May-94		
	RD22021	[Filed] SUBSTANTIALLY TRANSPARENT FREE STANDING DIAMOND FILMS	United States	US	S/N: 07/859753 P/N: 5273731	30-Mar-92		
	RD22055	[Filed] METHOD FOR DETERMINING THICKNESS OF CHEMICAL VAPOR DEPOSITED LAYERS	United States	US	S/N: 07/891798 P/N: 5300313	16-Dec-92		
	RD22294	[Filed] PROCESS FOR MAKING METALLIZED VIAS IN DIAMOND SUBSTRATES	United States	US	S/N: 08/188877 P/N: 5382758	31-Jan-94		
	RD22486	[Filed] APPARATUS FOR PRODUCING DIAMOND BY CHEMICAL VAPOR DEPOSITION AND ARTICLES PRODUCED THEREFROM	United States	US	S/N: 07/948077 P/N: 5204145	21-Sep-92		
	RD22514	[Filed] APPARATUS FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND INCLUDING GRAPHITE SUBSTRATE HOLDERS	United States	US	S/N: 08/096392 P/N: 5391229	26-Jul-93		
	RD22530	[Filed] APPARATUS FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND INCLUDING THERMAL SPREADER	United States	US	S/N: 08/172797 P/N: 5397396	27-Dec-93		
	RD22721	[Filed] POLYCRYSTALLINE CARBON CONVERSION	United States	US	S/N: 09/206721 P/N: 6126741	7-Dec-98		
	RD22800	[Filed] TUNGSTEN METALIZATION OF CVD DIAMOND	United States	US	S/N: 08/100406 P/N: 5346719	2-Aug-93		
	RD22976	[Filed] METHOD FOR MAKING HIGH THERMAL CONDUCTING DIAMOND	United States	US	S/N: 08/316995 P/N: 5445106	3-Oct-94		
	RD22980	[Filed] APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/261358 P/N: 5424096	13-Jun-94		
	RD22980	[Filed] APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/384568 P/N: 5437728	27-Dec-94		
	RD23162	[Filed] METHOD OF PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION AND THE SUPPORT MANDRELS USED THEREIN	United States	US	S/N: 08/119448 P/N: 5869133	9-Sep-93		
	RD23356	[Filed] CHEMICAL VAPOR DEPOSITION OF POLYCRYSTALLINE DIAMOND WITH OR WITHOUT GROWTH FACETS	United States	US	S/N: 08/264268 P/N: 5437891	23-Jun-94		
	RD23427	[Filed] PROCESS FOR MAKING METALLIZED VIAS IN DIAMOND SUBSTRATES	United States	US	S/N: 08/188877 P/N: 5382758	31-Jan-94		
	RD23481	[Filed] DIAMOND OPTICAL PLATE BEAMSPLITTER	United States	US	S/N: 08/538656 P/N: 5706135	3-Oct-95		
	RD23502	[Filed] APPARATUS FOR ANNEALING DIAMOND WATER JET MIXING TUBES	United States	US	S/N: 08/267181 P/N: 5468934	15-Jun-94		
	RD23503	[Filed] APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/261358 P/N: 5424096	13-Jun-94		
	RD23511	[Filed] ARTICLES HAVING THERMAL CONDUCTORS OF GRAPHITE	United States	US	S/N: 08/262786 P/N: 5494753	20-Jun-94		
	RD23716	[Filed] SUPPRESSION OF GRAPHITE FORMATION DURING LASER ETCHING OF DIAMOND	United States	US	S/N: 08/248896 P/N: 5419798	25-May-94		

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RD23717	[Filed]	UL TRAFAST OPTICAL MODULATOR	United States	US	S/N: 08/605417 P/N: 5659415	22-Feb-96		
RD23819	[Filed]	FABRICATION OF BRAZABLE IN AIR TOOL INSERTS AND INSERTS FABRICATED THEREBY	United States	US	S/N: 08/350572 P/N: 5626909	7-Dec-94		
RD23927	[Filed]	COMPOSITE DIAMOND WIRE DIE	United States	US	S/N: 08/499238 P/N: 5634369	7-Jul-95		
RD23948	[Filed]	DIAMOND FILM STRUCTURE WITH HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 08/316998 P/N: 5525815	3-Oct-94		
RD24002	[Filed]	SYNTHETIC DIAMOND PRODUCT	United States	US	S/N: 08/411181 P/N: 5503104	27-Mar-95		
RD24111	[Filed]	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/364568 P/N: 5437728	27-Dec-94		
RD24416	[Filed]	COMPOSITE DIAMOND WIRE DIE	United States	US	S/N: 08/499237 P/N: 5636545	7-Jul-95		
RD24447	[Filed]	COMPOSITE DIAMOND WIRE DIE	United States	US	S/N: 08/499502 P/N: 5634370	7-Jul-95		
RD24450	[Filed]	ELECTRONIC APPARATUS WITH COMPLIANT METAL CHIP-SUBSTRATE BONDING LAYER(S)	United States	US	S/N: 08/457551 P/N: 5567985	1-Jun-95		
RD25160	[Filed]	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 09/201384 P/N: 6152977	30-Nov-98		
RD25160	[Filed]	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 09/484389 P/N: 6350191	14-Jan-00		
RD25160	[Filed]	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 09/484392 P/N: 6406776	14-Jan-00		
RD25308	[Filed]	SURFACE ENRICHED DIAMOND AND METHOD OF MAKING	United States	US	S/N: 09/783441	14-Feb-01		
RD27003	[Filed]	DIAMOND MICRO SLURRY FOR CHEMICAL-MECHANICAL PLANARIZATION OF SEMI CONDUCTOR WAFERS	United States	US	S/N: 09/472104 P/N: 6258721	27-Dec-99		
RD27003	[Filed]	DIAMOND MICRO SLURRY FOR CHEMICAL-MECHANICAL PLANARIZATION OF SEMI CONDUCTOR WAFERS	United States	US	S/N: 09/591189 P/N: 6242351	9-Jun-00		
RD27642	[Filed]	METHOD OF DETECTION OF NATURAL DIAMONDS THAT HAVE BEEN PROCESSED AT HIGH PRESSURE AND HIGH TEMPERATURES	United States	US	S/N: 09/430477 P/N: 6377340	29-Oct-99		
RD27688	[Filed]	FUNCTIONALIZED DIAMONDS WITH ENHANCED RETENTION IN RESIN BONDS, REACTIONS AND METHODS FOR PRODUCING SAME, AND ABRASIVES USING FUNCTIONALIZED DIAMONDS	United States	US	S/N: 09/576794 P/N: 6372002	23-May-00		
RD28183	[Filed]	METAL-INFILTRATED POLYCRYSTALLINE DIAMOND COMPOSITE TOOL FORMED FROM COATED DIAMOND PARTICLES	United States	US	S/N: 09/793312 P/N: 6541115	26-Feb-01		
RD28183	[Filed]	METAL-INFILTRATED POLYCRYSTALLINE DIAMOND COMPOSITE TOOL FORMED FROM COATED DIAMOND PARTICLES	United States	US	S/N: 10/255431	26-Sep-02		
RD28271	[Filed]	ABRASIVE DIAMOND COMPOSITE AND METHOD OF MAKING THEREOF	United States	US	S/N: 09/729525	4-Dec-00		
134047	[Filed]	METHOD TO STABILIZE FRAME SAW BLADES DURING CUT INITIATION	United States	US	134047 -1 Provisional [Filed]	14-Aug-03		

Doc#ref Number	Title	Filing Country	Country Code	Filing No./Type/SUPN	Filing Date	Agent	Comments
[Awaiting]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH DISCRETE PARTICLE SIZE AREAS	United States	US	[Issued] S/N: 09/167,196 P/N: 6,197,088	[Awaiting]		
[Awaiting]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH IMPROVED IMPACT AND THERMAL STABILITY	United States	US	[Issued] S/N: 08/623,868 P/N: 5,645,617	[Awaiting]		
[Awaiting]	COMPOSITE POLYCRYSTALLINE COMPACT WITH IMPROVED FRACTURE AND DELAMINATION RESISTANCE	United States	US	[Issued] S/N: 08/415,693 P/N: 5,564,511	[Awaiting]		
[Awaiting]	HIGH PRESSURE/HIGH TEMPERATURE PISTON-CYLINDER APPARATUS	United States	US	[Issued] S/N: 07/792,716 P/N: 5,244,368	[Awaiting]		
[Awaiting]	HIGH PRESSURE REACTION VESSEL	United States	US	[Issued] S/N: 07/828,809 P/N: 5,236,674	[Awaiting]		
[Awaiting]	MODIFIED END ASSEMBLY FOR HIGH PRESSURE, HIGH TEMPERATURE REACTION VESSELS	United States	US	[Issued] S/N: 07/660,332 P/N: 5,190,734	[Awaiting]		
[Awaiting]	HIGH STRENGTH COMPOSITE COMPONENT AND METHOD OF FABRICATION	United States	US	[Issued] S/N: 07/153,725 P/N: 5,032,147	[Awaiting]		
[Awaiting]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH IMPROVED IMPACT RESISTANCE	United States	US	[Issued] S/N: 07/390,208 P/N: 5,011,615	[Awaiting]		
[Awaiting]	COMPOSITE COMPACT WITH A MORE THERMALLY STABLE CUTTING EDGE AND METHOD OF MANUFACTURING THE SAME	United States	US	[Issued] S/N: 07/390,204 P/N: 5,011,509	[Awaiting]		
[Awaiting]	COMPOSITE ABRASIVE COMPACT HAVING HIGH THERMAL STABILITY AND TRANSVERSE RUPTURE STRENGTH	United States	US	[Issued] S/N: 07/151,942 P/N: 4,871,377	[Awaiting]		
[Awaiting]	MATRIX CUTTER	United States	US	[Filed] S/N: 10/163,098	[Awaiting]		
[Awaiting]	ENHANCED METHOD FOR MAKING CVD DIAMOND	United States	US	[Filed] S/N: 10/161,266	[Awaiting]		

Doc#	Doc# Number	Title	Filing Country	Country Code	Filing No./Type/SN/PPN	Filing Date	Agent	Comments
	112200 [Filed]	POLYCRYSTALLINE DIAMOND TIPS ON CUTTERS FOR HIGH SPEED DISC SAWHEADS FOR APPLICATION IN THE TIMBER INDUSTRY	United States	US	Provisional [Filed] S/N: 60/473511	23-May-03		
	123571 [Filed]	AUTOCATALYTIC NICKEL-BORON COATING PROCESS FOR DIAMOND PARTICLES	United States	US	Provisional [Filed] S/N: 60/438957	9-Jan-03		
	123989 [Filed]	LASER SUPPORT NICKEL-PLATING OF SUPERABRASIVE TOOL	United States	US	S/N: 10/172,034	14-Jun-02		
	124337 [Filed]	CUTTING TOOL INSERT DESIGNED WITH MINIMIZED RESIDUAL TENSILE STRESSES	United States	US	Provisional [Filed] S/N: 60/395,182	10-Jul-02		
	124337 [Filed]	CUTTING TOOL INSERT DESIGNED WITH MINIMIZED RESIDUAL TENSILE STRESSES	United States	US	S/N: 10/458903 P/N: 6666763	11-Jun-03		
	125174 [Filed]	CUTTING TOOL WITH TWO-SLOPE PROFILE DESIGNED WITH MINIMIZED AXIAL SURFACE RESIDUAL STRESSES	United States	US	Provisional [Filed] S/N: 60/395,181	10-Jul-02		
	125174 [Filed]	CUTTING TOOL WITH TWO-SLOPE PROFILE DESIGNED WITH MINIMIZED AXIAL SURFACE RESIDUAL STRESSES	United States	US	S/N: 10/455008	5-Jun-03		
	125185 [Filed]	METHOD TO IMPROVE WEAR UNIFORMITY OF DIAMOND-CONTAINING SEGMENTS ON BLADES FOR STABBING GRANITE	United States	US	Provisional [Filed] S/N: 60/432222	10-Dec-02		
	125185 [Filed]	METHOD TO IMPROVE WEAR UNIFORMITY OF DIAMOND-CONTAINING SEGMENTS ON BLADES FOR STABBING GRANITE	United States	US		9-Dec-03		
	125877 [Filed]	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	United States	US	Provisional [Filed] S/N: 60/382209	21-May-02		
	125877 [Filed]	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	United States	US	S/N: 10/437469	8-Jul-03		
	125877 [Filed]	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	United States	US	125877 -7 Original [Filed]			
	126337 [Filed]	SCRATCH-PROOF COMPOSITE WATCH GLASS	United States	US	Provisional [Filed] S/N: 60/399778	31-Jul-02		
	126360 [Filed]	A SINTERED COMPACT FOR USE IN MACHINING CHEMICALLY REACTIVE MATERIALS	United States	US	Provisional [Filed] S/N: 60/391707	26-Jun-02		
	126360 [Filed]	A SINTERED COMPACT FOR USE IN MACHINING CHEMICALLY REACTIVE MATERIALS	United States	US	S/N: 10/437516	14-May-03		
	126855 [Filed]	METHOD FOR PRODUCING SINTERED POLYCRYSTALLING DIAMOND ON TUNGSTEN CARBIDE SUBSTRATES	United States	US	Provisional [Filed] S/N: 60/414987	1-Oct-02		
	126855 [Filed]	METHOD FOR PRODUCING SINTERED POLYCRYSTALLING DIAMOND ON TUNGSTEN CARBIDE SUBSTRATES	United States	US		17-Jul-03		
	129177 [Filed]	EXTRUSION AND COMPOUNDING EQUIPMENT COMPONENTS WITH IMPROVED WEAR RESISTANCE	United States	US	Provisional [Filed] S/N: 60/445631	7-Feb-03		
	129178 [Filed]	IMPROVED WEAR RESISTANT COMPONENTS FOR SIZE REDUCTION AND SIZE CLASSIFICATION EQUIPMENT	United States	US	Provisional [Filed] S/N: 60/445615	7-Feb-03		

Patent Number	Title	Filing Country	Country Code	Filing No./Type/SUPN	Filing Date	Agent	Comments
129182 [Filed]	WEAR CONTROL IN CONTINUOUS GLASS FIBER PLANTS	United States	US	Provisional [Filed] S/N: 60/445614	7-Feb-03		
129184 [Filed]	WEAR-RESISTANT DRILL BIT BODIES AND OTHER COMPONENTS FOR OIL AND GAS DRILLING	United States	US	Provisional [Filed] S/N: 60/445659	7-Feb-03		
129892 [Filed]	WEAR AND CORROSION RESISTANT ORIFICE AND RELATED COMPONENTS	United States	US	Provisional [Filed] S/N: 60/445633	7-Feb-03		
130335 [Filed]	ARTICLES COMPRISING AN ABRASION-RESISTANT RESINOUS SKIN INTEGRALLY BONDED WITH GRADED INTERFACE TO A RESINOUS CORE MATERIAL	United States	US	Provisional [Filed] S/N: 60/440455	15-Jan-03		
130335 [Filed]	ARTICLES COMPRISING AN ABRASION-RESISTANT RESINOUS SKIN INTEGRALLY BONDED WITH GRADED INTERFACE TO A RESINOUS CORE MATERIAL	United States	US	Provisional [Filed] S/N: 60/464517	22-Apr-03		
131068 [Filed]	WEAR AND CORROSION PREVENTION IN FIREARMS	United States	US	Provisional [Filed] S/N: 60/445609	7-Feb-03		
132255 [Filed]	AIRCRAFT ENGINE WEAR PARTS	United States	US	Provisional [Filed] S/N: 60/445632	7-Feb-03		
132270 [Filed]	CLIPPER BLADE SETS AND COMBS WITH IMPROVED WEAR RESISTANCE	United States	US	Provisional [Filed] S/N: 60/445610	7-Feb-03		
132876 [Filed]	SELECTION OF DIAMONDS GRIT MORPHOLOGY AND SIZE DISTRIBUTION FOR CMP CONDITIONER APPLICATION	United States	US	Provisional [Filed]	8-Oct-03		
133139 [Filed]	IMPROVED WEAR PERFORMANCE TOOLS FOR METAL, PLASTIC, CERAMIC AND COMPOSITE FORMING	United States	US	Provisional [Filed] S/N: 60/447808	14-Feb-03		
133140 [Filed]	PCD AND PCBN TOOL BLANKS WITH PREFIXED BRAZE ALLOY	United States	US	Provisional [Filed] S/N: 60/445613	7-Feb-03		
133141 [Filed]	COATINGS WITH HIGHLY TORTUOUS SURFACE TOPOGRAPHY FOR ABRASIVE/SUPERABRASIVE PARTICLES USED IN METALS/CERAMIC/POLYMER MATRIX COMPOSITES	United States	US	Provisional [Filed] S/N: 60/469285	8-May-03		
133615 [Filed]	IMPROVED TOOLS FOR MACHINING FIBER CEMENTS	United States	US	Provisional [Filed]	11-Mar-03		
133794 [Filed]	SUPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELIMINATE HOT-BRAZING IN TOOL FABRICATION	United States	US	Provisional [Filed] S/N: 60/470306	14-May-03		
133794 [Filed]	SUPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELIMINATE HOT-BRAZING IN TOOL FABRICATION	United States	US		22-Oct-03		
133920 [Filed]	DRILL BITS, ROUTER BITS, PROFILE CUTTERS, FILES, PLANING AND SAW BLADES WITH IMPROVED WEAR RESISTANCE	United States	US	Provisional [Filed] S/N: 60/469287	9-May-03		
133975 [Filed]	METHOD TO IMPROVE TOOL INTEGRITY WHEN CUTTING STONE	United States	US	Provisional [Filed]	14-Aug-03		
135143 [Filed]	A METHOD OF MAKING ABRASIVE TOOLS FROM BI-MODAL DIAMOND OR CUBIC BORON NITRIDE POWDER	United States	US	Provisional [Filed] S/N: 60/467311	2-May-03		

Docet Number	Title	Filing Country	Country Code	Filing No./Type/Status/P/N	Filing Date	Agent	Comments
136255 [Filed]	SINTERED COMPACT FOR USE IN MACHINING VARIOUS CAST IRON MATERIALS	United States	US	Provisional [Filed]	3-Dec-03		
145361 [Filed]	COMPRESSION CONTAINER FOR POLYCRYSTALLINE WIRE DIE	United States	US	Provisional [Filed]	10-Dec-03		
60SD10 [Filed]	DIAMOND AND CBN ABRASIVE COMPACTS USING SIZE SELECTIVE ABRASIVE PARTICLE LAYERS	United States	US	S/N: 219289 P/N: 4311490	7-Sep-88		
60SD147 [Filed]	RE-SINTERED BORON-RICH POLYCRYSTALLINE CUBIC BORON NITRIDE AND MET HOD FOR MAKING SAME	United States	US	S/N: 823893 P/N: 4673414	29-Jan-86		
60SD184 [Filed]	GANG SAW FOR CUTTING BLOCKS OF STONE	United States	US	S/N: 515448 P/N: 4498450	20-Jul-83		
60SD240 [Filed]	PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	US	S/N: 542081 P/N: 4525179	14-Oct-83		
60SD242 [Filed]	PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	US	S/N: 488003 P/N: 4536442	2-May-83		
60SD245 [Filed]	MERGED WITH 60-SD-259 FOR FILING	United States	US	S/N: 818850 P/N: 4797326	14-Jan-86		
60SD24559 [Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS	United States	US	S/N: 818850 P/N: 4797326	14-Jan-86		
60SD246 [Filed]	GANG SAW FOR CUTTING BLOCKS OF STONE	United States	US	S/N: 515448 P/N: 4498450	20-Jul-83		
60SD249 [Filed]	SWEEP THROUGH PROCESS FOR MAKING POLYCRYSTALLINE COMPACTS	United States	US	S/N: 536221 P/N: 4518659	23-Sep-83		
60SD251 [Filed]	IMPROVED PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	US	S/N: 552081 P/N: 4525179	14-Oct-83		
60SD254 [Filed]	COATED OXIDATION-RESISTANT POROUS ABRASIVE COMPACT AND METHOD FOR MAKING SAME	United States	US	S/N: 06/920041 P/N: 4738689	16-Oct-86		
60SD256 [Filed]	POLYCRYSTALLINE SANDWICH COMPACTS AND METHOD FOR MAKING SAME	United States	US	S/N: 07/277875 P/N: 5009673	30-Nov-88		
60SD257 [Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	United States	US	S/N: 697668 P/N: 4810447	4-Feb-85		
60SD257 [Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	United States	US	S/N: 8491 P/N: 4832708	27-Jan-87		
60SD261 [Filed]	PROCESS FOR PREPARING POLYCRYSTALLINE CBN CERAMIC MASSES AND RESULTING PRODUCT	United States	US	S/N: 7/366943 P/N: 5043120	16-Jun-89		
60SD262 [Filed]	BRAZED COMPOSITE COMPACT IMPLEMENTS	United States	US	S/N: 824084 P/N: 4527998	25-Jun-84		
60SD303 [Filed]	REFRACTORY METAL OXIDE COATED ABRASIVES AND GRINDING WHEELS MADE THEREFROM	United States	US	S/N: 07/358728 P/N: 4951427	30-May-89		
60SD305 [Filed]	STUD-MOUNTED POLYCRYSTALLINE TOOTHED DIAMOND CUTTING BLANKS	United States	US	S/N: 7/192872 P/N: D317010	11-May-88		
60SD308 [Filed]	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	United States	US	S/N: 7/365268 P/N: 4931363	12-Jun-89		



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60SD30811 [Filed]	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	United States	US	S/N: 158575 P/N: 4899922	22-Feb-88		
60SD317 [Filed]	COATED OXIDATION-RESISTANT POROUS ABRASIVE COMPACT AND METHOD FOR MAKING SAME	United States	US	S/N: 920041 P/N: 47386689	18-Oct-86		
60SD318 [Filed]	BONDING OF THERMALLY STABLE ABRASIVE COMPACTS TO CARBIDE SUPPORTS	United States	US	S/N: 07/158336 P/N: 4850523	22-Feb-88		
60SD327 [Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	United States	US	S/N: 008491 P/N: 4832708	29-Jan-87		
60SD33 [Filed]	POLYCRYSTALLINE WINDOWS MADE OF POLYCRYSTALLINE ADAMANTANE BORON NITRIDE OR DIAMOND	United States	US	S/N: 488003 P/N: 4536442	2-May-83		
60SD332 [Filed]	METHOD OF MAKING DIAMOND TOOL	United States	US	S/N: 713966 P/N: 4661180	25-Mar-85		
60SD333 [Filed]	POLYCRYSTALLINE ABRASIVE GRIT	United States	US	S/N: 153466 P/N: 4828582	3-Feb-88		
60SD333V [Filed]	POLYCRYSTALLINE ABRASIVE GRIT	United States	US	S/N: 793462 P/N: 4828582	1-Sep-88		
60SD358 [Filed]	PRODUCTS AND PROCESS FOR MAKING MULTIGRAIN ABRASIVE COMPACTS	United States	US	S/N: 07/669259 P/N: 5211728	14-Mar-91		
60SD364 [Filed]	MULTIGRAIN ABRASIVE PARTICLES	United States	US	S/N: 07/669124 P/N: 5106392	14-Mar-91		
60SD367 [Filed]	CHIP BREAKER FOR POLYCRYSTALLINE CBN AND DIAMOND COMPACTS	United States	US	S/N: 71429661 P/N: 5026960	31-Oct-89		
60SD368 [Filed]	DIAMOND AND CUBIC BORON NITRIDE	United States	US	S/N: 156272 P/N: 4807402	12-Feb-88		
60SD389 [Filed]	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANKS	United States	US	S/N: 328347 P/N: D330206	24-Mar-89		
60SD390 [Filed]	RECIPROCATING POINT ROTARY DIAMOND	United States	US	S/N: 07/655082 P/N: 5172681	28-Dec-90		
60SD401 [Filed]	INTERLOCKING MOUNTED ABRASIVE COMPACTS	United States	US	S/N: 332814 P/N: D325226	3-Apr-89		
60SD412 [Filed]	SAWBLADE SEGMENTS UTILIZING POLYCRYSTALLINE DIAMOND GRIT	United States	US	S/N: 262405 P/N: 4883500	25-Oct-88		
60SD419 [Filed]	SUPPORTED THERMALLY STABLE CUBIC BORON NITRIDE TOOLS BLANKS AND METHOD FOR MAKING THE SAME	United States	US	S/N: 7394349 P/N: 4985050	15-Aug-89		
60SD428 [Filed]	DIAMOND COMPACTS FOR ROCK DRILLING AND MACHINING	United States	US	S/N: 71420191 P/N: 5022894	12-Oct-89		
60SD437 [Filed]	METHOD FOR PRODUCING POLYCRYSTALLINE COMPACT TOOL BLANKS WITH FLAT CARBIDE SUPPORT/DIAMOND OR CBN INTERFACES	United States	US	S/N: 331928 P/N: 4954139	31-Mar-89		
60SD439 [Filed]	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANK	United States	US	S/N: 328348 P/N: D324527	24-Mar-89		
60SD439 [Filed]	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANK	United States	US	S/N: 7328348 P/N: 324527	24-Mar-89		
60SD440 [Filed]	INTERLOCKING MOUNTED ABRASIVE COMPACTS	United States	US	S/N: 332828 P/N: D324056	3-Apr-89		
60SD455 [Filed]	CBN/CBN COMPOSITE MASSES AND THEIR PREPARATION	United States	US	S/N: 71630916 P/N: 5106792	20-Dec-90		
60SD458 [Filed]	MULTI-LAYER METAL COATED DIAMOND ABRASIVES FOR SINTERED METAL BONDED TOOLS	United States	US	S/N: 07/851732 P/N: 5250086	25-Mar-92		

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60SD461 [Filed]	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	United States	US	S/N: 365268 P/N: 4931363	12-Jun-89		
60SD469 [Filed]	POLYCRYSTALLINE CVD DIAMOND SUBSTRATE FOR SINGLE CRYSTAL EPITAXIAL GROWTH OF SEMICONDUCTORS FORMERLY	United States	US	S/N: 07/479486 P/N: 4981618	13-Feb-90		
60SD493 [Filed]	CVD DIAMOND COATED ANNULUS COMPONENTS AND THEIR METHOD OF FABRICATION	United States	US	S/N: 08/127984 P/N: 5508071	28-Sep-93		
60SD498 [Filed]	CVD DIAMOND FOR COATING TWIST DRILLS	United States	US	S/N: 07/563367 P/N: 5096736	7-Aug-90		
60SD498 [Filed]	CVD DIAMOND FOR COATING TWIST DRILLS	United States	US	S/N: 07/929239 P/N: 5256206	14-Aug-92		
60SD499 [Filed]	CVD DIAMOND COATED TWIST DRILLS	United States	US	S/N: 07/555879 P/N: 5022801	18-Jul-90		
60SD504 [Filed]	USING THERMALLY-STABLE DIAMOND OR CBN COMPACTS AS TIPS FOR ROTARY DRILLS	United States	US	S/N: 07/577378 P/N: 5273557	4-Sep-90		
60SD506 [Filed]	ISOTOPICALLY PURE SINGLE CRYSTAL EPITAXIAL DIAMOND FILMS AND THEIR PREPARATION	United States	US	S/N: 07/547651 P/N: 5360479	2-Jul-90		
60SD518 [Filed]	THERMALLY STABLE DENSE ELECTRICALLY CONDUCTIVE DIAMOND COMPACTS	United States	US	S/N: 07/773461 P/N: 5266236	9-Oct-91		
60SD528 [Filed]	MULTILAYER CVD DIAMOND FILMS	United States	US	S/N: 08/400555 P/N: 5491002	8-Mar-95		
60SD567 [Filed]	CHEMICALLY BONDED ADHERENT COATING FOR ABRASIVE COMPACTS AND METHOD FOR MAKING SAME	United States	US	S/N: 07/710725 P/N: 5173091	4-Jun-91		
60SD576 [Filed]	SMOOTH SURFACE CVD DIAMOND FILMS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 07/967461 P/N: 5439492	28-Oct-92		
60SD576 [Filed]	SMOOTH SURFACE CVD DIAMOND FILMS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 08/220948 P/N: 5523121	31-Mar-94		
60SD577 [Filed]	CARBON FLUORIDE COMPOSITIONS	United States	US	S/N: 08/073991 P/N: 5380557	3-Jun-93		
60SD578 [Filed]	METHOD FOR MAKING SMOOTH SUBSTRATE MANDRELS	United States	US	S/N: 07/815478 P/N: 5176803	4-Mar-92		
60SD581 [Filed]	METHOD FOR PRODUCING UNIFORM CYLINDRICAL TUBES OF CVD DIAMOND	United States	US	S/N: 08/138888 P/N: 5387447	19-Oct-93		
60SD582 [Filed]	PROCESS FOR MAKING COATED ABRASIVES FOR GRINDING WHEELS	United States	US	S/N: 08/032750 P/N: 5306318	17-Mar-93		
60SD583 [Filed]	COATING FOR IMPROVED RETENTION OF CBN IN VITREOUS BOND MATRICES	United States	US	S/N: 08/005951 P/N: 5300129	19-Jan-93		
60SD584 [Filed]	DUAL-COATED DIAMOND PELLETS AND SAW BLADE SEGMENTS MADE THEREWITH	United States	US	S/N: 07/762999 P/N: 5143523	20-Sep-91		
60SD615 [Filed]	METHOD FOR CONTROLLING THE PARTICLE SIZE DISTRIBUTION IN THE PRODUCTION OF MULTICRYSTALLINE CUBIC BORON NITRIDE	United States	US	S/N: 07/895229 P/N: 5985228	22-Dec-92		
60SD628 [Filed]	DIAMOND PELLETS AND SAW BLADE SEGMENTS MADE THEREWITH	United States	US	S/N: 07/857192 P/N: 5405573	4-May-92		
60SD633 [Filed]	MULTI-LAYER METAL COATED DIAMOND ABRASIVES WITH AN ELECTROLESSLY DEPOSITED METAL LAYER	United States	US	S/N: 07/857139 P/N: 5232469	25-Mar-92		

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60SD643 [Filed]	SUPPORTED POLYCRYSTALLINE DIAMOND COMPACT HAVING A CUBIC BORON NITRIDE INTERLAYER FOR IMPROVED PHYSICAL PROPERTIES	United States	US	S/N: 08/222841 P/N: 5510193	13-Oct-94		
60SD643 [Filed]	SUPPORTED POLYCRYSTALLINE DIAMOND COMPACT HAVING A CUBIC BORON NITRIDE INTERLAYER FOR IMPROVED PHYSICAL PROPERTIES	United States	US	S/N: 08/595715 P/N: 5603070	2-Feb-96		
60SD645 [Filed]	PREPARATION OF THIN FREE-STANDING DIAMOND FILMS	United States	US	S/N: 08/369047 P/N: 5490963	5-Jan-95		
60SD647 [Filed]	FINE GRAIN DIAMOND WORKPIECES	United States	US	S/N: 07/967461 P/N: 5439492	28-Oct-92		
60SD652 [Filed]	ABRASIVE TOOL INSERT SEE CIP 60SD00658	United States	US	S/N: 08/095631 P/N: 5484330	21-Jul-93		
60SD652 [Filed]	ABRASIVE TOOL INSERT SEE CIP 60SD00658	United States	US	S/N: 08/271307 P/N: 5486137	6-Jul-94		
60SD653 [Filed]	REDUCTION OF STRESSES IN THE POLYCRYSTALLINE ABRASIVE LAYER OF A COMPOSITE COMPACT IN THE IN SITU BONDED CARBIDE/CARBIDE SUPPORT	United States	US	S/N: 08/489877 P/N: 5560754	13-Jun-95		
60SD658 [Filed]	ABRASIVE TOOL INSERT SEE CIP	United States	US	S/N: 08/105523 P/N: 5494477	11-Aug-93		
60SD660 [Filed]	PROCESS FOR PREPARING POLYCRYSTALLINE CBN CERAMIC MASSES AND RESULTING PRODUCT	United States	US	S/N: 07/985500 P/N: 5320988	1-Dec-92		
60SD662 [Filed]	METHOD OF SEPARATION OF PIECES FROM SUPER HARD MATERIAL BY PARTIAL LASER CUT AND PRESSURE CLEAVAGE	United States	US	S/N: 08/060459 P/N: 5387776	11-May-93		
60SD664 [Filed]	CLASSIFYING AND SORTING CRYSTALLINE OBJECTS	United States	US	S/N: 08/400556 P/N: 5544254	8-Mar-95		
60SD665 [Filed]	MEASURING THE STRENGTH OF ABRASIVE GRAINS	United States	US	S/N: 08/016638 P/N: 5392633	12-Feb-93		
60SD669 [Filed]	PROCESS FOR MAKING COATED ABRASIVES FOR GRINDING WHEELS	United States	US	S/N: 08/032750 P/N: 5306318	17-Mar-93		
60SD690 [Filed]	MULTIPLE GRAINED DIAMOND WIRE DIE	United States	US	S/N: 08/143802 P/N: 5361621	27-Oct-93		
60SD691 [Filed]	OPTICALLY IMPROVED DIAMOND WIRE DIE	United States	US	S/N: 08/148803 P/N: 5465603	5-Nov-93		
60SD693 [Filed]	ABRASIVE COMPACT WITH IMPROVED PROPERTIES	United States	US	S/N: 08/571312 P/N: 5855986	12-Dec-95		
60SD693 [Filed]	ABRASIVE COMPACT WITH IMPROVED PROPERTIES	United States	US	S/N: 09/087776 P/N: 6132675	29-May-98		
60SD694 [Filed]	DIAMOND WIRE DIE	United States	US	S/N: 08/121014 P/N: 5363687	14-Sep-93		
60SD696 [Filed]	ABRASIVE TOOL INSERT	United States	US	S/N: 08/271307 P/N: 5486137	6-Jul-94		
60SD698 [Filed]	CVD DIAMOND COATING ANNULUS COMPONENTS AND METHOD OF THEIR FABRICATION	United States	US	S/N: 08/127964 P/N: 5508071	28-Sep-93		
60SD701 [Filed]	DIAMOND WIRE DIE WITH POSITIONED OPENING	United States	US	S/N: 08/144168 P/N: 5377522	27-Oct-93		
60SD708 [Filed]	A METHOD FOR MANUFACTURING A DIAMOND ARTICLE	United States	US	S/N: 08/310449 P/N: 5529805	22-Sep-94		
60SD709 [Filed]	FABRICATION OF AIR BRAZABLE DIAMOND TOOL INSERTS AND INSERTS FABRICATED THEREBY	United States	US	S/N: 08/286076 P/N: 5500248	4-Aug-94		
60SD709 [Filed]	FABRICATION OF AIR BRAZABLE DIAMOND TOOL INSERTS AND INSERTS FABRICATED THEREBY	United States	US	S/N: 08/563360 P/N: 5647878	5-Jan-96		

Order Number	Title	Filing Country	Country Code	Filing No./Type/SUPN	Filing Date	Agent	Comments
60SD712 [Filed]	METHOD FOR ENHANCING THE TOUGHNESS OF CVD DIAMOND	United States	US	S/N: 08/238543 P/N: 5451430	5-May-94		
60SD713 [Filed]	METHOD FOR ENHANCING THE TOUGHNESS OF CVD DIAMOND	United States	US	S/N: 08/654815 P/N: 5672395	29-May-96		
60SD714 [Filed]	ANNULAR DIAMOND BODIES	United States	US	S/N: 08/311658 P/N: 5551277	23-Sep-94		
60SD715 [Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS HAVING IMPROVED PHYSICAL PROPER TIES AND METHOD FOR MAKING SAME	United States	US	S/N: 08/239156 P/N: 5512235	6-May-94		
60SD715 [Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS HAVING IMPROVED PHYSICAL PROPER TIES AND METHOD FOR MAKING SAME	United States	US	S/N: 08/616997 P/N: 5773140	14-Mar-96		
60SD721 [Filed]	WIRE DRAWING DIE HAVING IMPROVED PHYSICAL PROPERTIES NO DIVISIONAL DUE PER GLL	United States	US	S/N: 08/412050 P/N: 5660075	28-Mar-95		
60SD726 [Filed]	A FINE GRAIN DIAMOND TOOL AND METHOD OF MANUFACTURE	United States	US	S/N: 08/551593 P/N: 5660936	1-Nov-95		
60SD728 [Filed]	PREPARATION OF THIN FREE-STANDING DIAMOND FILMS	United States	US	S/N: 08/369047 P/N: 5490963	5-Jan-95		
60SD731 [Filed]	CLASSIFYING AND SORTING CRYSTALLINE OBJECTS	United States	US	S/N: 08/400556 P/N: 5544254	8-Mar-95		
60SD732 [Filed]	MULTILAYER CVD DIAMOND FILMS	United States	US	S/N: 08/400555 P/N: 5491002	8-Mar-95		
60SD745 [Filed]	METHOD FOR PRODUCING UNIFORMLY HIGH QUALITY ABRASIVE COMPACTS	United States	US	S/N: 08/555672 P/N: 5669944	13-Nov-95		
60SD749 [Filed]	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH REDUCED FAILURE DURING BRAZING	United States	US	S/N: 08/975028 P/N: 6042463	20-Nov-97		
60SD750 [Filed]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT NO DIV DUE PER EPA 51/97	United States	US	S/N: 08/591879 P/N: 5662720	26-Jan-96		
60SD752 [Filed]	POLYCRYSTALLINE DIAMOND COMPACT (PDC) CUTTER WITH IMPROVED CUTTING CAPABILITY	United States	US	S/N: 08/975429 P/N: 6045440	20-Nov-97		
60SD753 [Filed]	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH IMPROVED CUTTING BY PREVENTING CHIP BUILD UP	United States	US	S/N: 09/131460 P/N: 6196910	10-Aug-98		
60SD760A [Filed]	POLYCRYSTALLINE DIAMOND CUTTING ELEMENT	United States	US	S/N: 08/777213 P/N: 5848657	27-Dec-96		
60SD768 [Filed]	AN IMPROVED ABRASIVE CUTTING ELEMENT AND DRILL BIT	United States	US	S/N: 08/611896 P/N: 5743346	6-Mar-96		
60SD769 [Filed]	POLYCRYSTALLINE DIAMOND CUTTING ELEMENT WITH DIAMOND RIDGE PATTERN	United States	US	S/N: 08/777222 P/N: 5829541	27-Dec-96		
60SD772 [Filed]	COATED CBN POLYCRYSTALLINE SUPERABRASIVE TOOLS	United States	US	S/N: 08/779417	7-Jan-97		
60SD772 [Filed]	COATED CBN POLYCRYSTALLINE SUPERABRASIVE TOOLS	United States	US	S/N: 10/411471	8-Apr-03		
60SD774 [Filed]	METHOD FOR PRODUCING CUBIC BORON NITRIDE USING MELAMINE AS A CATALYST	United States	US	S/N: 09/072144 P/N: 5869015	4-May-98		
60SD784 [Filed]	SYNTHETIC GASKET MATERIAL FOR USE IN HIGH PRESSURE PRESSES TRANS FMMEGADIAMOND	United States	US	S/N: 08/874769 P/N: 5858525	13-Jun-97		

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60SD785	[Filed]	THERMALLY-DIFFUSED BORON DIAMOND AND ITS PRODUCTION	United States	US	S/N: 09/561128 P/N: 6322891	28-Apr-00		
60SD787	[Filed]	SUPERABRASIVE CUTTING ELEMENT WITH ENHANCED STIFFNESS, THERMAL CONDUCTIVITY AND CUTTING EFFICIENCY	United States	US	S/N: 08/783171 P/N: 6009963	14-Jan-97		
60SD788	[Filed]	WIRE DRAWING DIE WITH NON-CYLINDRICAL INTERFACE CONFIGURATION FOR REDUCING STRESSES	United States	US	S/N: 08/950004 P/N: 5957005	14-Oct-97		
60SD788	[Filed]	WIRE DRAWING DIE WITH NON-CYLINDRICAL INTERFACE CONFIGURATION FOR REDUCING STRESSES	United States	US	S/N: 09/358271 P/N: 6314836	21-Jul-99		
60SD794	[Filed]	AXISYMMETRIC CUTTING ELEMENT	United States	US	S/N: 09/492095 P/N: 6260640	27-Jan-00		
60SD795	[Filed]	SHAPED POLYCRYSTALLINE CUTTER ELEMENTS	United States	US	S/N: 09/072471 P/N: 6102143	4-May-98		
60SD798	[Filed]	TITANIUM CHROMIUM ALLOY COATED DIAMOND CRYSTALS FOR USE IN SAW BLADE SEGMENTS AND METHOD FOR THEIR PRODUCTION	United States	US	S/N: 09/570957 P/N: 6319608	15-May-00		
60SD802	[Filed]	HIGH PRESSURE/HIGH TEMPERATURE PRODUCTION OF COLORLESS AND FANCY COLORED DIAMONDS	United States	US	S/N: 10/338136	8-Jan-03		
60SD805	[Filed]	HIGH PRESSURE APPARATUS HAVING TRANSITION SLOPE BINDING RING THAT MITIGATES TENSILE STRESSES AND CORRESPONDING METHOD	United States	US	S/N: 09/740777 P/N: 6375446	19-Dec-00		
60SD806	[Filed]	LOW OXYGEN CUBIC BORON NITRIDE	United States	US	S/N: 10/001573	2-Nov-01		
60SD811	[Filed]	CRYSTAL MIXING FOR LOW POWER GRINDING	United States	US	S/N: 09/988244	16-Nov-01		
60SD812	[Filed]	METHOD AND APPARATUS FOR CUTTING GRANITE	United States	US	S/N: 60/139654	17-Jun-99		
60SD812	[Filed]	METHOD AND APPARATUS FOR CUTTING GRANITE	United States	US	S/N: 10/014547	14-Dec-01		
60SD817	[Filed]	HIGH PRESSURE/HIGH TEMPERATURE PRODUCTION OF COLORED DIAMONDS	United States	US	S/N: 10/069362	25-Aug-00		
60SD820	[Filed]	SURFACE MODIFICATION OF COATED ABRASIVES TO ENHANCE THEIR ADHESION IN RESIN BOND TOOLS	United States	US	S/N: 09/601159	9-Jul-01		
60SD827	[Filed]	ABRASIVE TOOL INSERTS AND THEIR PRODUCTION	United States	US	S/N: 09/845540 P/N: 6315652	30-Apr-01		
60SD831	[Filed]	HIGH PRESSURE AND HIGH TEMPERATURE PRODUCTION OF DIAMONDS	United States	US	S/N: 60/224485	11-Aug-00		
60SD831	[Filed]	HIGH PRESSURE AND HIGH TEMPERATURE PRODUCTION OF DIAMONDS	United States	US	S/N: 10/344249	11-Feb-03		
60SD838	[Filed]	SILVER-COATED ABRASIVES, TOOLS CONTAINING SILVER-COATED ABRASIVES, AND APPLICATIONS OF THESE TOOLS	United States	US	S/N: 09/776141 P/N: 6666763	2-Feb-01		
60SD839	[Filed]	JADEITE AND ITS PRODUCTION	United States	US	S/N: 09/737667	15-Dec-00		
60SD839	[Filed]	JADEITE AND ITS PRODUCTION	United States	US	S/N: 09/799192	5-Mar-01		
60SD845	[Filed]	BORON DOPED BLUE DIAMOND AND ITS PRODUCTION	United States	US	S/N: 09/935957	23-Aug-01		

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	60SD845 [Filed]	BORON DOPED BLUE DIAMOND AND ITS PRODUCTION	United States	US	S/N: 10/262784	2-Oct-02		
	60SD851 [Filed]	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND USE THEREOF IN VITREOUS MATRIX COMPOSITES	United States	US	S/N: 09/987863 P/N: 6475254	16-Nov-01		
	60SD851 [Filed]	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND USE THEREOF IN VITREOUS MATRIX COMPOSITES	United States	US	S/N: 10/174914 P/N: 6596040	19-Jun-02		
	60SD852 [Filed]	HIGH PRESSURE PRODUCTION OF PEROVSKITES	United States	US	S/N: 09/931312	16-Aug-01		
	RD14877 [Filed]	SINTERED POLYCRYSTALLINE DIAMOND COMPACT CONSTRUCTION WITH INTEGRAL HEAT SINK	United States	US	S/N: 652242 P/N: 4605343	20-Sep-84		
	RD16334 [Filed]	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	US	S/N: 830414 P/N: 4690691	13-Feb-86		
	RD17340 [Filed]	DIAMOND CRYSTAL GROWTH PROCESS	United States	US	S/N: 07/332914 P/N: 5261959	4-Apr-89		
	RD17340 [Filed]	DIAMOND CRYSTAL GROWTH PROCESS	United States	US	S/N: 08/150633 P/N: 5516554	10-Nov-93		
	RD18037 [Filed]	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	US	S/N: 481176 P/N: 4797138	11-May-87		
	RD18037 [Filed]	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	US	S/N: 07/048176 P/N: 4797138	11-May-87		
	RD18116 [Filed]	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 07/744815 P/N: 5310447	12-Aug-91		
	RD18402 [Filed]	EXCIMER LASER PATTERNING OF A NOVEL RESIST	United States	US	S/N: 224416 P/N: 4842677	26-Jul-88		
	RD18693 [Filed]	METHOD FOR IMPROVING ADHESION OF SYNTHETIC DIAMOND COATINGS TO SUBSTRATES	United States	US	S/N: 07/653556 P/N: 5190823	11-Feb-91		
	RD19369 [Filed]	TRANSPARENT DIAMOND FILMS AND METHOD FOR MAKING	United States	US	S/N: 07/407179 P/N: 5110579	14-Sep-89		
	RD19369 [Filed]	TRANSPARENT DIAMOND FILMS AND METHOD FOR MAKING	United States	US	S/N: 07/859753 P/N: 5273731	30-Mar-92		
	RD19567 [Filed]	FREE STANDING DIAMOND SHEET AND METHOD AND APPARATUS FOR MAKING SAME	United States	US	S/N: 07/537963 P/N: 5464071	13-Jun-90		
	RD20142 [Filed]	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 08/163608 P/N: 5419276	6-Dec-93		
	RD20142 [Filed]	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 08/368732 P/N: 5540904	4-Jan-95		
	RD20780 [Filed]	APPARATUS FOR PRODUCING DIAMONDS BY CHEMICAL VAPOR DEPOSITION AND ARTICLES PRODUCED THEREFROM	United States	US	S/N: 07/948077 P/N: 5204145	21-Sep-92		
	RD20983 [Inactivated]	ARTIFICIAL POLYMER LATICES IN CORE-SHELL FORM AND METHOD OF PREPARATION	United States	US	S/N: 07/980,444 P/N: 5356955	23-Nov-93		
	RD21018 [Filed]	METHOD FOR IMPROVING ADHESION OF SYNTHETIC DIAMOND COATINGS TO SUBSTRATES	United States	US	S/N: 07/853556 P/N: 5190823	11-Feb-91		
	RD21033 [Filed]	IMPROVED METHOD OF APPLYING METAL COATINGS ON DIAMOND AND ARTICLES MADE THEREFROM	United States	US	S/N: 07/722575 P/N: 5190796	27-Jun-91		

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	RD21034	[Inactivated] METHOD OF PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION AND THE SUPPORT MANDRELS USED THEREIN	United States	US	S/N: 08/119448 P/N: 5669133	9-Sep-93		
	RD21356	[Filed] METHOD FOR PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION	United States	US	S/N: 07/845992 P/N: 5175929	4-Mar-92		
	RD21493	[Filed] METHOD OF APPLYING METAL COATING ON CUBIC ORON NITRIDE AND ARTICLES MADE THEREFROM	United States	US	S/N: 07/738758 P/N: 5188643	1-Aug-91		
	RD21861	[Filed] PREHEATER FOR CVD DIAMOND REACTOR	United States	US	S/N: 08/306077 P/N: 5479874	14-Sep-94		
	RD21796	[Filed] SUPPRESSION OF GRAPHITE FORMATION DURING LASER ETCHING OF DIAMOND	United States	US	S/N: 08/248898 P/N: 5419798	25-May-94		
	RD22021	[Filed] SUBSTANTIALLY TRANSPARENT FREE STANDING DIAMOND FILMS	United States	US	S/N: 07/859753 P/N: 5273731	30-Mar-92		
	RD22055	[Filed] METHOD FOR DETERMINING THICKNESS OF CHEMICAL VAPOR DEPOSITED LAYERS	United States	US	S/N: 07/991788 P/N: 5300313	16-Dec-92		
	RD22294	[Filed] PROCESS FOR MAKING METALLIZED VIAS IN DIAMOND SUBSTRATES	United States	US	S/N: 08/188877 P/N: 5382758	31-Jan-94		
	RD22486	[Filed] APPARATUS FOR PRODUCING DIAMOND BY CHEMICAL VAPOR DEPOSITION AND ARTICLES PRODUCED THEREFROM	United States	US	S/N: 07/948077 P/N: 5204145	21-Sep-92		
	RD22514	[Filed] APPARATUS FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND INCLUDING GRAPHITE SUBSTRATE HOLDERS	United States	US	S/N: 08/096392 P/N: 5391229	26-Jul-93		
	RD22530	[Filed] APPARATUS FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND INCLUDING THERMAL SPREADER	United States	US	S/N: 08/172797 P/N: 5397396	27-Dec-93		
	RD22721	[Filed] POLYCRYSTALLINE CARBON CONVERSION	United States	US	S/N: 09/208721 P/N: 6126741	7-Dec-98		
	RD22800	[Filed] TUNGSTEN METALIZATION OF CVD DIAMOND	United States	US	S/N: 08/100408 P/N: 5348719	2-Aug-93		
	RD22976	[Filed] METHOD FOR MAKING HIGH THERMAL CONDUCTING DIAMOND	United States	US	S/N: 08/316995 P/N: 5445106	3-Oct-94		
	RD22980	[Filed] APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/281358 P/N: 5424096	13-Jun-94		
	RD22980	[Filed] VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/364568 P/N: 5437728	27-Dec-94		
	RD23162	[Filed] METHOD OF PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION AND THE SUPPORT MANDRELS USED THEREIN	United States	US	S/N: 08/119448 P/N: 5869133	9-Sep-93		
	RD23356	[Filed] CHEMICAL VAPOR DEPOSITION OF POLYCRYSTALLINE DIAMOND WITH ORIENTATION AND GROWTH FACETS	United States	US	S/N: 08/284268 P/N: 5437891	23-Jun-94		
	RD23427	[Filed] PROCESS FOR MAKING METALLIZED VIAS IN DIAMOND SUBSTRATES	United States	US	S/N: 08/188877 P/N: 5382758	31-Jan-94		
	RD23481	[Filed] DIAMOND OPTICAL PLATE BEAMSPLITTER	United States	US	S/N: 08/538556 P/N: 5706135	3-Oct-95		
	RD23502	[Filed] APPARATUS FOR ANNEALING DIAMOND WATER JET MIXING TUBES	United States	US	S/N: 08/267181 P/N: 5468934	15-Jun-94		
	RD23503	[Filed] APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/261358 P/N: 5424096	13-Jun-94		
	RD23511	[Filed] ARTICLES HAVING THERMAL CONDUCTORS OF GRAPHITE	United States	US	S/N: 08/262798 P/N: 5494753	20-Jun-94		
	RD23716	[Filed] SUPPRESSION OF GRAPHITE FORMATION DURING LASER ETCHING OF DIAMOND	United States	US	S/N: 08/248898 P/N: 5419798	25-May-94		

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RD23717	[Filed]	ULTRAFAST OPTICAL MODULATOR	United States	US	S/N: 08/605417 P/N: 5659415	22-Feb-96		
RD23819	[Filed]	FABRICATION OF BRAZABLE IN AIR TOOL INSERTS AND INSERTS FABRICATED THEREBY	United States	US	S/N: 08/350572 P/N: 5626909	7-Dec-94		
RD23927	[Filed]	COMPOSITE DIAMOND WIRE DIE	United States	US	S/N: 08/499238 P/N: 5634369	7-Jul-95		
RD23948	[Filed]	DIAMOND FILM STRUCTURE WITH HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 08/316998 P/N: 5525815	3-Oct-94		
RD24002	[Filed]	SYNTHETIC DIAMOND PRODUCT APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/411181 P/N: 5503104	27-Mar-95		
RD24111	[Filed]	COMPOSITE DIAMOND WIRE DIE	United States	US	S/N: 08/364588 P/N: 5437728	27-Dec-94		
RD24416	[Filed]	COMPOSITE DIAMOND WIRE DIE	United States	US	S/N: 08/499237 P/N: 5636545	7-Jul-95		
RD24447	[Filed]	COMPOSITE DIAMOND WIRE DIE	United States	US	S/N: 08/499502 P/N: 5634370	7-Jul-95		
RD24450	[Filed]	ELECTRONIC APPARATUS WITH COMPLIANT METAL CHIP-SUBSTRATE BONDING LAYER(S)	United States	US	S/N: 08/457551 P/N: 5567985	1-Jun-95		
RD25160	[Filed]	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 09/201384 P/N: 6152977	30-Nov-98		
RD25160	[Filed]	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 09/484389 P/N: 6350191	14-Jan-00		
RD25160	[Filed]	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 09/484392 P/N: 6406776	14-Jan-00		
RD25308	[Filed]	SURFACE ENRICHED DIAMOND AND METHOD OF MAKING	United States	US	S/N: 09/783441	14-Feb-01		
RD27003	[Filed]	DIAMOND MICRO SLURRY FOR CHEMICAL-MECHANICAL PLANARIZATION OF SEMI CONDUCTOR WAFERS	United States	US	S/N: 09/472104 P/N: 6258721	27-Dec-99		
RD27003	[Filed]	DIAMOND MICRO SLURRY FOR CHEMICAL-MECHANICAL PLANARIZATION OF SEMI CONDUCTOR WAFERS	United States	US	S/N: 09/591189 P/N: 6242351	9-Jun-00		
RD27642	[Filed]	METHOD OF DETECTION OF NATURAL DIAMONDS THAT HAVE BEEN PROCESSED AT HIGH PRESSURE AND HIGH TEMPERATURES	United States	US	S/N: 09/430477 P/N: 6377340	29-Oct-99		
RD27888	[Filed]	FUNCTIONALIZED DIAMONDS WITH ENHANCED RETENTION IN RESIN BONDS, REACTIONS AND METHODS FOR PRODUCING SAME, AND ABRASIVES USING FUNCTIONALIZED DIAMONDS	United States	US	S/N: 09/576794 P/N: 6372002	23-May-00		
RD28163	[Filed]	METAL-INFILTRATED POLYCRYSTALLINE DIAMOND COMPOSITE TOOL FORMED FROM COATED DIAMOND PARTICLES	United States	US	S/N: 09/793312 P/N: 6541115	26-Feb-01		
RD28183	[Filed]	METAL-INFILTRATED POLYCRYSTALLINE DIAMOND COMPOSITE TOOL FORMED FROM COATED DIAMOND PARTICLES	United States	US	S/N: 10/255431	26-Sep-02		
RD28271	[Filed]	ABRASIVE DIAMOND COMPOSITE AND METHOD OF MAKING THEREOF	United States	US	S/N: 09/729525	4-Dec-00		
134047	[Filed]	METHOD TO STABILIZE FRAME SAW BLADES DURING CUT INITIATION	United States	US	134047-1 Provisional Filed S/N 60495148	14-Aug-03		



Gov't Number	Title	Filing Country	Country Code	Filing No./Type/Status	Filing Date	Agent	Comments
[Awaiting]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH DISCRETE PARTICLE SIZE AREAS	United States	US	[Issued] S/N: 09/167,186 P/N: 6,187,068	10/6/98 [Awaiting]		
[Awaiting]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH IMPROVED IMPACT AND THERMAL STABILITY	United States	US	[Issued] S/N: 08/623,868 P/N: 5,646,617	9/6/95 [Awaiting]		
[Awaiting]	COMPOSITE POLYCRYSTALLINE COMPACT WITH IMPROVED FRACTURE AND DELAMINATION RESISTANCE	United States	US	[Issued] S/N: 08/415,693 P/N: 5,564,511	8/15/95 [Awaiting]		
[Awaiting]	HIGH PRESSURE/HIGH TEMPERATURE PISTON-CYLINDER APPARATUS	United States	US	[Issued] S/N: 07/792,716 P/N: 5,244,368	11/15/91 [Awaiting]		
[Awaiting]	HIGH PRESSURE REACTION VESSEL	United States	US	[Issued] S/N: 07/826,809 P/N: 5,236,674	1/28/92 [Awaiting]		
[Awaiting]	MODIFIED END ASSEMBLY FOR HIGH PRESSURE, HIGH TEMPERATURE REACTION VESSELS	United States	US	[Issued] S/N: 07/660,332 P/N: 5,190,734	2/22/91 [Awaiting]		
[Awaiting]	HIGH STRENGTH COMPOSITE COMPONENT AND METHOD OF FABRICATION	United States	US	[Issued] S/N: 07/153,725 P/N: 5,032,147	2/8/88 [Awaiting]		
[Awaiting]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH IMPROVED IMPACT RESISTANCE	United States	US	[Issued] S/N: 07/390,208 P/N: 5,011,515	8/7/89 [Awaiting]		
[Awaiting]	COMPOSITE COMPACT WITH A MORE THERMALLY STABLE CUTTING EDGE AND METHOD OF MANUFACTURING THE SAME	United States	US	[Issued] S/N: 07/390,204 P/N: 5,011,509	8/7/89 [Awaiting]		
[Awaiting]	COMPOSITE ABRASIVE COMPACT HAVING HIGH THERMAL STABILITY AND TRANSVERSE RUPTURE STRENGTH	United States	US	[Issued] S/N: 07/151,942 P/N: 4,871,377	2/3/88 [Awaiting]		
[Awaiting]	MATRIX CUTTER	United States	US	[Filed] S/N: 10/183,098	[Awaiting]		
[Awaiting]	ENHANCED METHOD FOR MAKING CVD DIAMOND	United States	US	[Filed] S/N: 10/161,266	[Awaiting]		

**CONFIRMATORY ASSIGNMENT OF PATENTS**  
**GENERAL ELECTRIC COMPANY TO**  
**GE SUPERABRASIVES, INC.**

This Assignment, effective the 3<sup>rd</sup> day of June, 2002, is by and between GENERAL ELECTRIC COMPANY, a New York Corporation, having a corporate business address at One River Road, Schenectady, New York, 12345 ("Assignor"), and GE SUPERABRASIVES, INC., a Delaware Corporation, having its principal corporate business address at 187 Danbury Road, Second Floor, Wilton, Connecticut, 06897 ("Assignee") (and collectively, "the Parties" or "Party").

WHEREAS, Assignor and Assignee are parties to a certain Assignment, Transfer & Assumption Agreement dated June 3, 2002 (the "Assumption Agreement"), pursuant to which Assignee agreed to purchase certain assets of Assignor, and Assignor agreed to cause the same to be transferred, assigned and contributed to Assignee;

WHEREAS, Assignor is the record owner of all right, title and interest in and to the pending patent applications identified in Appendix A and issued patents identified in Appendix B attached hereto, including all inventions referenced therein and letters patent issued thereon and applications for letters patent applied for with respect thereto, throughout the world, and all reissues, divisions, continuations, continuations-in-part, renewals, extensions, substitutions, and re-examinations of any of the foregoing throughout the world ("Patents");

WHEREAS, pursuant to the Assumption Agreement, Assignor desires to assign and transfer to Assignee all of its right, title and interest in and to the Patents, and Assignee desires to acquire the same;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties agree as follows:

Without limiting the foregoing, the Assignor hereby sells, assigns and transfers to Assignee, its successors, assigns and legal representatives, all right, title and interest in and to the Patents, together with all rights to sue for past infringement of said Patents and all causes of action (either at law or equity) with respect thereto, the right of recovery, including but not limited to damages, for such past infringement, and the right to assign the rights conveyed herein, the same to be held and enjoyed by Assignee for its own use and benefit and for the use

and benefit of its successors, assigns and legal representatives. Assignor hereby authorizes the Assignee to record ownership of the Patents directly in Assignee's own name in any jurisdiction, municipality or agency, in which recordation is required.

IN WITNESS HEREOF, the parties hereto have duly executed this Agreement as of the Effective Date.

Signed at NEW YORK, NY on this 31<sup>st</sup> day of DECEMBER, 2003.

GENERAL ELECTRIC COMPANY  
Assignor

By: William A. Woodburn/poa  
Name: William A. Woodburn WAC

Title: Senior Vice President

AGREED AND ACCEPTED:

Signed at NEW YORK, NY on this 31<sup>st</sup> day of DECEMBER, 2003.

GE SUPERABRASIVES, INC..

By: W. Carst

Name: William C. Carstanjen

Title: Vice President, Secretary

STATE OF New York )  
COUNTY OF New York )

SS:

BEFORE ME, the undersigned authority, on this day personally appeared William C. Carstanjen, having a Power of Attorney from William A. Woodburn, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledges to me that pursuant to said Power of Attorney he executed the same for the purposes and consideration therein expressed in the capacity therein stated and as an act and deed of said corporation.

Given under my hand and seal of Office this 31<sup>st</sup> day of December, 2003.

Notary Public Molly B Chase

My Commission Expires: 5/27/07

STATE OF New York )  
COUNTY OF New York )

SS:

**MOLLY B. CHASE**  
Notary Public, State of New York  
No. 01CH6092796  
Qualified in Queens County  
Commission Expires 05/27/20 07

BEFORE ME, the undersigned authority, on this day personally appeared William C. Carstanjen, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledges to me that he executed same for the purposes and consideration therein expressed in the capacity therein stated and as an act and deed of such corporation.

Given under my hand and seal of Office this 31<sup>st</sup> day of December, 2003.

Notary Public Molly B Chase

My Commission Expires: 5/27/07

**MOLLY B. CHASE**  
Notary Public, State of New York  
No. 01CH6092796  
Qualified in Queens County  
Commission Expires 05/27/20 07

CONFIRMATORY ASSIGNMENT OF PATENTS  
GENERAL ELECTRIC COMPANY TO  
GE SUPERABRASIVES, INC.

**MOLLY B. CHASE**  
Notary Public, State of New York  
No. 01CH6092796  
Qualified in Queens County  
Commission Expires 05/27/20 07

## **APPENDIX A**

Doc#ref Number	Title	Filing Country	Country Code	Filing No./Type/SN/PN	Filing Date	Agent	Comments
112200 [Filed]	POLYCRYSTALLINE DIAMOND TIPS ON CUTTERS FOR HIGH SPEED DISC SAWHEADS FOR APPLICATION IN THE TIMBER INDUSTRY	United States	US	Provisional [Filed] S/N: 60/473511	23-May-03		
123571 [Filed]	AUTOCATALYTIC NICKEL-BORON COATING PROCESS FOR DIAMOND PARTICLES	United States	US	Provisional [Filed] S/N: 60/438957	9-Jan-03		
123989 [Filed]	LASER SUPPORT NICKEL-PLATING OF SUPERABRASIVE TOOL	United States	US	S/N: 10/172,034	14-Jun-02		
124337 [Filed]	CUTTING TOOL INSERT DESIGNED WITH MINIMIZED RESIDUAL TENSILE STRESSES	United States	US	Provisional [Filed] S/N: 60/395,182	10-Jul-02		
124337 [Filed]	CUTTING TOOL INSERT DESIGNED WITH MINIMIZED RESIDUAL TENSILE STRESSES	United States	US	S/N: 10/458903 P/N: 8666783	11-Jun-03		
125174 [Filed]	CUTTING TOOL WITH TWO-SLOPE PROFILE DESIGNED WITH MINIMIZED AXIAL SURFACE RESIDUAL STRESSES	United States	US	Provisional [Filed] S/N: 60/395,181	10-Jul-02		
125174 [Filed]	CUTTING TOOL WITH TWO-SLOPE PROFILE DESIGNED WITH MINIMIZED AXIAL SURFACE RESIDUAL STRESSES	United States	US	S/N: 10/455008	5-Jun-03		
125185 [Filed]	METHOD TO IMPROVE WEAR UNIFORMITY OF DIAMOND-CONTAINING SEGMENTS ON BLADES FOR STABBING GRANITE	United States	US	Provisional [Filed] S/N: 60/432222	10-Dec-02		
125185 [Filed]	METHOD TO IMPROVE WEAR UNIFORMITY OF DIAMOND-CONTAINING SEGMENTS ON BLADES FOR STABBING GRANITE	United States	US	S/N 10/731,066	9-Dec-03		
125877 [Filed]	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	United States	US	Provisional [Filed] S/N: 60/382209	21-May-02		
125877 [Filed]	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	United States	US	S/N: 10/437469	8-Jul-03		
125877 [Filed]	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	United States	US	125877 -7 Original [Filed]			
126337 [Filed]	SCRATCH-PROOF COMPOSITE WATCH GLASS	United States	US	Provisional [Filed] S/N: 60/399778	31-Jul-02		
126360 [Filed]	A SINTERED COMPACT FOR USE IN MACHINING CHEMICALLY REACTIVE MATERIALS	United States	US	Provisional [Filed] S/N: 60/391707	26-Jun-02		
126360 [Filed]	A SINTERED COMPACT FOR USE IN MACHINING CHEMICALLY REACTIVE MATERIALS	United States	US	S/N: 10/437516	14-May-03		
126855 [Filed]	METHOD FOR PRODUCING SINTERED POLYCRYSTALLING DIAMOND ON TUNGSTEN CARBIDE SUBSTRATES	United States	US	Provisional [Filed] S/N: 60/414987	1-Oct-02		
126855 [Filed]	METHOD FOR PRODUCING SINTERED POLYCRYSTALLING DIAMOND ON TUNGSTEN CARBIDE SUBSTRATES	United States	US	S/N 10/621,710	17-Jul-03		
129177 [Filed]	EXTRUSION AND COMPOUNDING EQUIPMENT COMPONENTS WITH IMPROVED WEAR RESISTANCE	United States	US	Provisional [Filed] S/N: 60/445631	7-Feb-03		
129178 [Filed]	IMPROVED WEAR RESISTANT COMPONENTS FOR SIZE REDUCTION AND SIZE CLASSIFICATION EQUIPMENT	United States	US	Provisional [Filed] S/N: 60/445615	7-Feb-03		

Case Number	Title	Filing Country	Country Code	Filing No./Type/SUPN	Filing Date	Agent	Comments
129182 [Filed]	WEAR CONTROL IN CONTINUOUS GLASS FIBER PLANTS	United States	US	Provisional [Filed] S/N: 60/445614	7-Feb-03		
129184 [Filed]	WEAR-RESISTANT DRILL BIT BODIES AND OTHER COMPONENTS FOR OIL AND GAS DRILLING	United States	US	Provisional [Filed] S/N: 60/445659	7-Feb-03		
129892 [Filed]	WEAR AND CORROSION RESISTANT ORIFICE AND RELATED COMPONENTS	United States	US	Provisional [Filed] S/N: 60/445633	7-Feb-03		
130335 [Filed]	ARTICLES COMPRISING AN ABRASION-RESISTANT RESINOUS SKIN INTEGRALLY BONDED WITH GRADED INTERFACE TO A RESINOUS CORE MATERIAL	United States	US	Provisional [Filed] S/N: 60/440455	15-Jan-03		
130335 [Filed]	ARTICLES COMPRISING AN ABRASION-RESISTANT RESINOUS SKIN INTEGRALLY BONDED WITH GRADED INTERFACE TO A RESINOUS CORE MATERIAL	United States	US	Provisional [Filed] S/N: 60/464517	22-Apr-03		
131068 [Filed]	WEAR AND CORROSION PREVENTION IN FIREARMS	United States	US	Provisional [Filed] S/N: 60/445609	7-Feb-03		
132255 [Filed]	AIRCRAFT ENGINE WEAR PARTS	United States	US	Provisional [Filed] S/N: 60/445632	7-Feb-03		
132270 [Filed]	CLIPPER BLADE SETS AND COMBS WITH IMPROVED WEAR RESISTANCE	United States	US	Provisional [Filed] S/N: 60/445610	7-Feb-03		
132876 [Filed]	SELECTION OF DIAMONDS GRIT MORPHOLOGY AND SIZE DISTRIBUTION FOR CMP CONDITIONER APPLICATION	United States	US	Provisional [Filed] <i>60/509,625</i>	8-Oct-03		
133139 [Filed]	IMPROVED WEAR PERFORMANCE TOOLS FOR METAL, PLASTIC, CERAMIC AND COMPOSITE FORMING	United States	US	Provisional [Filed] S/N: 60/447808	14-Feb-03		
133140 [Filed]	PCD AND PCBN TOOL BLANKS WITH PREFRIZED BRAZE ALLOY	United States	US	Provisional [Filed] S/N: 60/445613	7-Feb-03		
133141 [Filed]	COATINGS WITH HIGHLY TORTUOUS SURFACE TOPOGRAPHY FOR ABRASIVE/SUPERABRASIVE PARTICLES USED IN METALS/CERAMIC/POLYMER MATRIX COMPOSITES	United States	US	Provisional [Filed] S/N: 60/469285	8-May-03		
133615 [Filed]	IMPROVED TOOLS FOR MACHINING FIBER CEMENTS	United States	US	Provisional [Filed] <i>60/453,487</i>	11-Mar-03		
133794 [Filed]	SUPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELIMINATE HOT-BRAZING IN TOOL FABRICATION	United States	US	Provisional [Filed] S/N: 60/470306	14-May-03		
133794 [Filed]	SUPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELIMINATE HOT-BRAZING IN TOOL FABRICATION	United States	US	<i>S/N 10/690,761</i>	22-Oct-03		
133920 [Filed]	DRILL BITS, ROUTER BITS, PROFILE CUTTERS, FILES, PLANING AND SAW BLADES WITH IMPROVED WEAR RESISTANCE	United States	US	Provisional [Filed] S/N: 60/469287	9-May-03		
133975 [Filed]	METHOD TO IMPROVE TOOL INTEGRITY WHEN CUTTING STONE	United States	US	Provisional [Filed] <i>S/N 60/495,488</i>	14-Aug-03		
135143 [Filed]	A METHOD OF MAKING ABRASIVE TOOLS FROM BI-MODAL DIAMOND OR CUBIC BORON NITRIDE POWDER	United States	US	Provisional [Filed] S/N: 60/467311	2-May-03		

Order Number	Title	Filing Country	Country Code	Filing No./Type/SN/PN	Filing Date	Agent	Comments
136255 [Filed]	SINTERED COMPACT FOR USE IN MACHINING VARIOUS CAST IRON MATERIALS	United States	US	Provisional (P/N) SN 60/526576	3-Dec-03		
145361 [Filed]	COMPRESSION CONTAINER FOR POLYCRYSTALLINE WIRE DIE	United States	US	Provisional (P/N) SN 60/528372	10-Dec-03		
60SD10 [Filed]	DIAMOND AND CBN ABRASIVE COMPACTS USING SIZE SELECTIVE ABRASIVE PARTICLE LAYERS	United States	US	S/N: 219289 P/N: 4311490	7-Sep-88		
60SD147 [Filed]	RE-SINTERED BORON-RICH POLYCRYSTALLINE CUBIC BORON NITRIDE AND MET HOD FOR MAKING SAME	United States	US	S/N: 823893 P/N: 4673414	29-Jan-86		
60SD184 [Filed]	GANG SAW FOR CUTTING BLOCKS OF STONE	United States	US	S/N: 515448 P/N: 4498450	20-Jul-83		
60SD240 [Filed]	PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	US	S/N: 542081 P/N: 4525179	14-Oct-83		
60SD242 [Filed]	PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	US	S/N: 488003 P/N: 4536442	2-May-83		
60SD245 [Filed]	MERGED WITH 60-SD-259 FOR FILING	United States	US	S/N: 818850 P/N: 4797326	14-Jan-86		
60SD24559 [Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS	United States	US	S/N: 818850 P/N: 4797326	14-Jan-86		
60SD246 [Filed]	GANG SAW FOR CUTTING BLOCKS OF STONE	United States	US	S/N: 515448 P/N: 4498450	20-Jul-83		
60SD249 [Filed]	SWEEP THROUGH PROCESS FOR MAKING POLYCRYSTALLINE COMPACTS	United States	US	S/N: 536221 P/N: 4518659	23-Sep-83		
60SD251 [Filed]	IMPROVED PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	US	S/N: 552081 P/N: 4525179	14-Oct-83		
60SD254 [Filed]	COATED OXIDATION-RESISTANT POROUS ABRASIVE COMPACT AND METHOD FOR MAKING SAME	United States	US	S/N: 06/920041 P/N: 4738689	16-Oct-86		
60SD256 [Filed]	POLYCRYSTALLINE SANDWICH COMPACTS AND METHOD FOR MAKING SAME	United States	US	S/N: 07/277875 P/N: 5009673	30-Nov-88		
60SD257 [Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	United States	US	S/N: 697668 P/N: 4810447	4-Feb-85		
60SD257 [Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	United States	US	S/N: 8491 P/N: 4832708	27-Jan-87		
60SD261 [Filed]	PROCESS FOR PREPARING POLYCRYSTALLINE CBN CERAMIC MASSES AND RESULTING PRODUCT	United States	US	S/N: 7366943 P/N: 5043120	16-Jun-89		
60SD262 [Filed]	BRAZED COMPOSITE COMPACT IMPLEMENTS	United States	US	S/N: 624064 P/N: 4527998	25-Jun-84		
60SD303 [Filed]	REFRACTORY METAL OXIDE COATED ABRASIVES AND GRINDING WHEELS MADE THEREFROM	United States	US	S/N: 07/358728 P/N: 4951427	30-May-89		
60SD305 [Filed]	STUD-MOUNTED POLYCRYSTALLINE TOOTHED DIAMOND CUTTING BLANKS	United States	US	S/N: 7192872 P/N: D317010	11-May-88		
60SD308 [Filed]	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	United States	US	S/N: 7365268 P/N: 4931363	12-Jun-89		



Socket Number	Title	Filing Country	Country Code	Filing No./Type/S/N	Filing Date	Agent	Comments
60SD30811 [Filed]	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	United States	US	S/N: 158575 P/N: 4899922	22-Feb-88		
60SD317 [Filed]	COATED OXIDATION-RESISTANT POROUS ABRASIVE COMPACT AND METHOD FOR MAKING SAME	United States	US	S/N: 920041 P/N: 47386689	16-Oct-86		
60SD318 [Filed]	BONDING OF THERMALLY STABLE ABRASIVE COMPACTS TO CARBIDE SUPPORTS	United States	US	S/N: 071583336 P/N: 4850523	22-Feb-88		
60SD327 [Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	United States	US	S/N: 008491 P/N: 4832708	29-Jan-87		
60SD33 [Filed]	OPTICAL WINDOWS MADE OF POLYCRYSTALLINE ADAMANTANE BORON NITRIDE OR DIAMOND	United States	US	S/N: 488003 P/N: 4538442	2-May-83		
60SD332 [Filed]	METHOD OF MAKING DIAMOND TOOL	United States	US	S/N: 713966 P/N: 4661180	25-Mar-85		
60SD333 [Filed]	POLYCRYSTALLINE ABRASIVE GRIT	United States	US	S/N: 153486 P/N: 4828582	3-Feb-88		
60SD333V [Filed]	POLYCRYSTALLINE ABRASIVE GRIT	United States	US	S/N: 793462 P/N: 4828582	1-Sep-88		
60SD358 [Filed]	PRODUCTS AND PROCESS FOR MAKING MULTIGRAIN ABRASIVE COMPACTS	United States	US	S/N: 07669259 P/N: 5211728	14-Mar-91		
60SD364 [Filed]	MULTIGRAIN ABRASIVE PARTICLES	United States	US	S/N: 07669124 P/N: 5106392	14-Mar-91		
60SD367 [Filed]	CHIP BREAKER FOR POLYCRYSTALLINE CBN AND DIAMOND COMPACTS	United States	US	S/N: 71429681 P/N: 5028960	31-Oct-89		
60SD368 [Filed]	DIAMOND AND CUBIC BORON NITRIDE	United States	US	S/N: 156272 P/N: 4807402	12-Feb-88		
60SD389 [Filed]	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANKS	United States	US	S/N: 328347 P/N: D330206	24-Mar-89		
60SD390 [Filed]	RECIPROCATING POINT ROTARY DIAMOND	United States	US	S/N: 07635082 P/N: 5172681	28-Dec-90		
60SD401 [Filed]	INTERLOCKING MOUNTED ABRASIVE COMPACTS	United States	US	S/N: 332814 P/N: D325226	3-Apr-89		
60SD412 [Filed]	SAWBLADE SEGMENTS UTILIZING POLYCRYSTALLINE DIAMOND GRIT	United States	US	S/N: 262405 P/N: 4883500	25-Oct-88		
60SD419 [Filed]	SUPPORTED THERMALLY STABLE CUBIC BORON NITRIDE TOOLS BLANKS AND METHOD FOR MAKING THE SAME	United States	US	S/N: 71394349 P/N: 4985050	15-Aug-89		
60SD428 [Filed]	DIAMOND COMPACTS FOR ROCK DRILLING AND MACHINING	United States	US	S/N: 71420191 P/N: 5022894	12-Oct-89		
60SD437 [Filed]	METHOD FOR PRODUCING POLYCRYSTALLINE COMPACT TOOL BLANKS WITH FLAT CARBIDE SUPPORT/DIAMOND OR CBN INTERFACES	United States	US	S/N: 331928 P/N: 4954139	31-Mar-89		
60SD439 [Filed]	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANK	United States	US	S/N: 328348 P/N: D324527	24-Mar-89		
60SD439 [Filed]	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANK	United States	US	S/N: 71328348 P/N: 324527	24-Mar-89		
60SD440 [Filed]	INTERLOCKING MOUNTED ABRASIVE COMPACTS	United States	US	S/N: 332828 P/N: D324056	3-Apr-89		
60SD455 [Filed]	CBN/CBN COMPOSITE MASSES AND THEIR PREPARATION	United States	US	S/N: 71630916 P/N: 5106792	20-Dec-90		
60SD458 [Filed]	MULTI-LAYER METAL COATED DIAMOND ABRASIVES FOR SINTERED METAL BONDED TOOLS	United States	US	S/N: 077857132 P/N: 5250086	25-Mar-92		

Docket Number	Title	Filing Country	Country Code	Filing No./Type/SN/PN	Filing Date	Agent	Comments
60SD461 [Filed]	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	United States	US	S/N: 365268 P/N: 4931363	12-Jun-89		
60SD469 [Filed]	POLYCRYSTALLINE CVD DIAMOND SUBSTRATE FOR SINGLE CRYSTAL EPITAXIAL GROWTH OF SEMICONDUCTORS FORMERLY	United States	US	S/N: 07/479486 P/N: 4981818	13-Feb-90		
60SD493 [Filed]	CVD DIAMOND COATED ANNULUS COMPONENTS AND THEIR METHOD OF FABRICATION	United States	US	S/N: 08/127964 P/N: 5508071	28-Sep-93		
60SD498 [Filed]	CVD DIAMOND FOR COATING TWIST DRILLS	United States	US	S/N: 07/563367 P/N: 5096736	7-Aug-90		
60SD498 [Filed]	CVD DIAMOND FOR COATING TWIST DRILLS	United States	US	S/N: 07/929239 P/N: 5256206	14-Aug-92		
60SD499 [Filed]	CVD DIAMOND COATED TWIST DRILLS	United States	US	S/N: 07/555879 P/N: 5022801	18-Jul-90		
60SD504 [Filed]	USING THERMALLY-STABLE DIAMOND OR CBN COMPACTS AS TIPS FOR ROTARY DRILLS	United States	US	S/N: 07/577379 P/N: 5273557	4-Sep-90		
60SD506 [Filed]	ISOTOPICALLY PURE SINGLE CRYSTAL EPITAXIAL DIAMOND FILMS AND THEIR PREPARATION	United States	US	S/N: 07/547651 P/N: 5360479	2-Jul-90		
60SD518 [Filed]	THERMALLY STABLE DENSE ELECTRICALLY CONDUCTIVE DIAMOND COMPACTS	United States	US	S/N: 07/773461 P/N: 5266236	9-Oct-91		
60SD528 [Filed]	MULTILAYER CVD DIAMOND FILMS	United States	US	S/N: 08/400555 P/N: 5491002	8-Mar-95		
60SD567 [Filed]	CHEMICALLY BONDED ADHERENT COATING FOR ABRASIVE COMPACTS AND METHOD FOR MAKING SAME	United States	US	S/N: 07/710725 P/N: 5173091	4-Jun-91		
60SD576 [Filed]	SMOOTH SURFACE CVD DIAMOND FILMS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 07/967461 P/N: 5439492	28-Oct-92		
60SD576 [Filed]	SMOOTH SURFACE CVD DIAMOND FILMS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 08/220946 P/N: 5523121	31-Mar-94		
60SD577 [Filed]	CARBON FLUORIDE COMPOSITIONS	United States	US	S/N: 08/073991 P/N: 5380557	3-Jun-93		
60SD578 [Filed]	METHOD FOR MAKING SMOOTH SUBSTRATE MANDRELS	United States	US	S/N: 07/815478 P/N: 5176803	4-Mar-92		
60SD581 [Filed]	METHOD FOR PRODUCING UNIFORM CYLINDRICAL TUBES OF CVD DIAMOND	United States	US	S/N: 08/138888 P/N: 5387447	19-Oct-93		
60SD582 [Filed]	PROCESS FOR MAKING COATED ABRASIVES FOR GRINDING WHEELS	United States	US	S/N: 08/032750 P/N: 5306318	17-Mar-93		
60SD583 [Filed]	COATING FOR IMPROVED RETENTION OF CBN IN VITREOUS BOND MATRICES	United States	US	S/N: 08/005951 P/N: 5300129	19-Jan-93		
60SD584 [Filed]	DUAL-COATED DIAMOND PELLETS AND SAW BLADE SEGMENTS MADE THEREWITH	United States	US	S/N: 07/762999 P/N: 5143523	20-Sep-91		
60SD615 [Filed]	METHOD FOR CONTROLLING THE PARTICLE SIZE DISTRIBUTION IN THE PRODUCTION OF MULTICRYSTALLINE CUBIC BORON NITRIDE	United States	US	S/N: 07/995229 P/N: 5985228	22-Dec-92		
60SD628 [Filed]	DIAMOND PELLETS AND SAW BLADE SEGMENTS MADE THEREWITH	United States	US	S/N: 07/857192 P/N: 5405573	4-May-92		
60SD633 [Filed]	MULTI-LAYER METAL COATED DIAMOND ABRASIVES WITH AN ELECTROLESSLY DEPOSITED METAL LAYER	United States	US	S/N: 07/857139 P/N: 5232469	25-Mar-92		

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60SD643	[Filed]	SUPPORTED POLYCRYSTALLINE DIAMOND COMPACT HAVING A CUBIC BORON NITR IDE INTERLAYER FOR IMPROVED PHYSICAL PROPERTIES	United States	US	S/N: 08/222841 P/N: 5510193	13-Oct-94		
60SD643	[Filed]	SUPPORTED POLYCRYSTALLINE DIAMOND COMPACT HAVING A CUBIC BORON NITR IDE INTERLAYER FOR IMPROVED PHYSICAL PROPERTIES	United States	US	S/N: 08/595715 P/N: 5603070	2-Feb-96		
60SD645	[Filed]	PREPARATION OF THIN FREE-STANDING DIAMOND FILMS	United States	US	S/N: 08/369047 P/N: 5490963	5-Jan-95		
60SD647	[Filed]	FINE GRAIN DIAMOND WORKPIECES	United States	US	S/N: 07/967461 P/N: 5439492	28-Oct-92		
60SD652	[Filed]	ABRASIVE TOOL INSERT SEE CIP 60SD00658	United States	US	S/N: 08/095631 P/N: 5484330	21-Jul-93		
60SD652	[Filed]	ABRASIVE TOOL INSERT SEE CIP 60SD00658	United States	US	S/N: 08/271307 P/N: 5486137	6-Jul-94		
60SD653	[Filed]	REDUCTION OF STRESSES IN THE POLYCRYSTALLINE ABRASIVE LAYER OF A COMPOSITE COMPACT IN THE IN SITU BONDED CAR BIDE/CARBIDE SUPPORT	United States	US	S/N: 08/489877 P/N: 5560754	13-Jun-95		
60SD658	[Filed]	ABRASIVE TOOL INSERT SEE CIP	United States	US	S/N: 08/105523 P/N: 5494477	11-Aug-93		
60SD660	[Filed]	PROCESS FOR PREPARING POLYCRYSTALLINE CBN CERAMIC MASSES AND RESULTING PRODUCT	United States	US	S/N: 07/985500 P/N: 5320988	1-Dec-92		
60SD662	[Filed]	METHOD OF SEPARATION OF PIECES FROM SUPER HARD MATERIAL BY PARTIAL LASER CUT AND PRESSURE CLEAVAGE	United States	US	S/N: 08/060459 P/N: 5387776	11-May-93		
60SD664	[Filed]	CLASSIFYING AND SORTING CRYSTALLINE OBJECTS	United States	US	S/N: 08/400556 P/N: 5544254	8-Mar-95		
60SD665	[Filed]	MEASURING THE STRENGTH OF ABRASIVE GRAINS	United States	US	S/N: 08/016638 P/N: 5392633	12-Feb-93		
60SD669	[Filed]	PROCESS FOR MAKING COATED ABRASIVES FOR GRINDING WHEELS	United States	US	S/N: 08/032750 P/N: 5306318	17-Mar-93		
60SD690	[Filed]	MULTIPLE GRAINED DIAMOND WIRE DIE	United States	US	S/N: 08/143802 P/N: 5361621	27-Oct-93		
60SD691	[Filed]	OPTICALLY IMPROVED DIAMOND WIRE DIE	United States	US	S/N: 08/148803 P/N: 5465603	5-Nov-93		
60SD693	[Filed]	ABRASIVE COMPACT WITH IMPROVED PROPERTIES	United States	US	S/N: 08/571312 P/N: 5855996	12-Dec-95		
60SD693	[Filed]	ABRASIVE COMPACT WITH IMPROVED PROPERTIES	United States	US	S/N: 09/087776 P/N: 6132675	29-May-98		
60SD694	[Filed]	DIAMOND WIRE DIE	United States	US	S/N: 08/121014 P/N: 5363687	14-Sep-93		
60SD696	[Filed]	ABRASIVE TOOL INSERT	United States	US	S/N: 08/271307 P/N: 5486137	6-Jul-94		
60SD698	[Filed]	CVD DIAMOND COATING ANNULUS COMPONENTS AND METHOD OF THEIR FABRICATION	United States	US	S/N: 08/127964 P/N: 5508071	28-Sep-93		
60SD701	[Filed]	DIAMOND WIRE DIE WITH POSITIONED OPENING	United States	US	S/N: 08/144168 P/N: 5377522	27-Oct-93		
60SD708	[Filed]	A METHOD FOR MANUFACTURING A DIAMOND ARTICLE	United States	US	S/N: 08/310449 P/N: 5529805	22-Sep-94		
60SD709	[Filed]	FABRICATION OF AIR BRAZABLE DIAMOND TOOL INSERTS AND INSERTS FABRICATED THEREBY	United States	US	S/N: 08/286076 P/N: 5500248	4-Aug-94		
60SD709	[Filed]	FABRICATION OF AIR BRAZABLE DIAMOND TOOL INSERTS AND INSERTS FABRICATED THEREBY	United States	US	S/N: 08/583360 P/N: 5647878	5-Jan-96		

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60SD712	[Filed]	METHOD FOR ENHANCING THE TOUGHNESS OF CVD DIAMOND	United States	US	S/N: 08/238543 P/N: 5451430	5-May-94		
60SD713	[Filed]	METHOD FOR ENHANCING THE TOUGHNESS OF CVD DIAMOND	United States	US	S/N: 08/654815 P/N: 5672395	29-May-96		
60SD714	[Filed]	ANNUAL DIAMOND BODIES	United States	US	S/N: 08/311658 P/N: 5551277	23-Sep-94		
60SD715	[Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS HAVING IMPROVED PHYSICAL PROPER TIES AND METHOD FOR MAKING SAME	United States	US	S/N: 08/239156 P/N: 5512235	6-May-94		
60SD715	[Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS HAVING IMPROVED PHYSICAL PROPER TIES AND METHOD FOR MAKING SAME	United States	US	S/N: 08/616997 P/N: 5773140	14-Mar-96		
60SD721	[Filed]	WIRE DRAWING DIE HAVING IMPROVED PHYSICAL PROPERTIES NO DIVISIONAL DUE PER GLL	United States	US	S/N: 08/412050 P/N: 5660075	28-Mar-95		
60SD726	[Filed]	A FINE GRAIN DIAMOND TOOL AND METHOD OF MANUFACTURE	United States	US	S/N: 08/551593 P/N: 5660936	1-Nov-95		
60SD728	[Filed]	PREPARATION OF THIN FREE-STANDING DIAMOND FILMS	United States	US	S/N: 08/369047 P/N: 5490963	5-Jan-95		
60SD731	[Filed]	CLASSIFYING AND SORTING CRYSTALLINE OBJECTS	United States	US	S/N: 08/400556 P/N: 5544254	8-Mar-95		
60SD732	[Filed]	MULTILAYER CVD DIAMOND FILMS	United States	US	S/N: 08/400555 P/N: 5491002	8-Mar-95		
60SD745	[Filed]	METHOD FOR PRODUCING UNIFORMLY HIGH QUALITY ABRASIVE COMPACTS	United States	US	S/N: 08/555672 P/N: 5669944	13-Nov-95		
60SD749	[Filed]	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH REDUCED FAILURE DURING BRAZING	United States	US	S/N: 08/975028 P/N: 6042463	20-Nov-97		
60SD750	[Filed]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT NO DIV DUE PER EPA 51/97	United States	US	S/N: 08/591879 P/N: 5662720	26-Jan-96		
60SD752	[Filed]	POLYCRYSTALLINE DIAMOND COMPACT (PDC) CUTTER WITH IMPROVED CUTTING CAPABILITY	United States	US	S/N: 08/975429 P/N: 6045440	20-Nov-97		
60SD753	[Filed]	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH IMPROVED CUTTING BY PREVENTING CHIP BUILD UP	United States	US	S/N: 09/131460 P/N: 6196910	10-Aug-98		
60SD760A	[Filed]	POLYCRYSTALLINE DIAMOND CUTTING ELEMENT	United States	US	S/N: 08/777213 P/N: 5848657	27-Dec-96		
60SD768	[Filed]	AN IMPROVED ABRASIVE CUTTING ELEMENT AND DRILL BIT	United States	US	S/N: 08/611896 P/N: 5743346	6-Mar-96		
60SD769	[Filed]	POLYCRYSTALLINE DIAMOND CUTTING ELEMENT WITH DIAMOND RIDGE PATTERN	United States	US	S/N: 08/777222 P/N: 5829541	27-Dec-96		
60SD772	[Filed]	COATED CBN POLYCRYSTALLINE SUPERABRASIVE TOOLS	United States	US	S/N: 08/779417	7-Jan-97		
60SD772	[Filed]	COATED CBN POLYCRYSTALLINE SUPERABRASIVE TOOLS	United States	US	S/N: 10/411471	8-Apr-03		
60SD774	[Filed]	METHOD FOR PRODUCING CUBIC BORON NITRIDE USING MELAMINE AS A CATALYST	United States	US	S/N: 09/072144 P/N: 5869015	4-May-98		
60SD784	[Filed]	SYNTHETIC GASKET MATERIAL FOR USE IN HIGH PRESSURE PRESSES TRANS FMMEGADIAMOND	United States	US	S/N: 08/874769 P/N: 5858525	13-Jun-97		

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60SD785 [Filed]	THERMALLY-DIFFUSED BORON DIAMOND AND ITS PRODUCTION	United States	US	S/N: 09/561128 P/N: 6322891	28-Apr-00		
60SD787 [Filed]	SUPERABRASIVE CUTTING ELEMENT WITH ENHANCED STIFFNESS, THERMAL CONDUCTIVITY AND CUTTING EFFICIENCY	United States	US	S/N: 08/783171 P/N: 6009963	14-Jan-97		
60SD788 [Filed]	WIRE DRAWING DIE WITH NON-CYLINDRICAL INTERFACE CONFIGURATION FOR REDUCING STRESSES	United States	US	S/N: 08/950004 P/N: 5957005	14-Oct-97		
60SD788 [Filed]	WIRE DRAWING DIE WITH NON-CYLINDRICAL INTERFACE CONFIGURATION FOR REDUCING STRESSES	United States	US	S/N: 09/358271 P/N: 6314836	21-Jul-99		
60SD794 [Filed]	AXISYMMETRIC CUTTING ELEMENT	United States	US	S/N: 09/492095 P/N: 6260640	27-Jan-00		
60SD795 [Filed]	SHAPED POLYCRYSTALLINE CUTTER ELEMENTS	United States	US	S/N: 09/072471 P/N: 6102143	4-May-98		
60SD796 [Filed]	TITANIUM CHROMIUM ALLOY COATED DIAMOND CRYSTALS FOR USE IN SAW BLADE SEGMENTS AND METHOD FOR THEIR PRODUCTION	United States	US	S/N: 09/570957 P/N: 6319608	15-May-00		
60SD802 [Filed]	HIGH PRESSURE/HIGH TEMPERATURE PRODUCTION OF COLORLESS AND FANCY COLORED DIAMONDS	United States	US	S/N: 10/338136	8-Jan-03		
60SD805 [Filed]	HIGH PRESSURE APPARATUS HAVING TRANSITION SLOPE BINDING RING THAT MITIGATES TENSILE STRESSES AND CORRESPONDING METHOD	United States	US	S/N: 09/740777 P/N: 6375446	19-Dec-00		
60SD806 [Filed]	LOW OXYGEN CUBIC BORON NITRIDE	United States	US	S/N: 10/001573	2-Nov-01		
60SD811 [Filed]	CRYSTAL MIXING FOR LOW POWER GRINDING	United States	US	S/N: 09/988244	16-Nov-01		
60SD812 [Filed]	METHOD AND APPARATUS FOR CUTTING GRANITE	United States	US	S/N: 60/139654	17-Jun-99		
60SD812 [Filed]	METHOD AND APPARATUS FOR CUTTING GRANITE	United States	US	S/N: 10/014547	14-Dec-01		
60SD817 [Filed]	HIGH PRESSURE/HIGH TEMPERATURE PRODUCTION OF COLORED DIAMONDS	United States	US	S/N: 10/069362	25-Aug-00		
60SD820 [Filed]	SURFACE MODIFICATION OF COATED ABRASIVES TO ENHANCE THEIR ADHESION IN RESIN BOND TOOLS	United States	US	S/N: 09/901159	9-Jul-01		
60SD827 [Filed]	ABRASIVE TOOL INSERTS AND THEIR PRODUCTION	United States	US	S/N: 09/845540 P/N: 6315652	30-Apr-01		
60SD831 [Filed]	HIGH PRESSURE AND HIGH TEMPERATURE PRODUCTION OF DIAMONDS	United States	US	S/N: 60/224485	11-Aug-00		
60SD831 [Filed]	HIGH PRESSURE AND HIGH TEMPERATURE PRODUCTION OF DIAMONDS	United States	US	S/N: 10/344249	11-Feb-03		
60SD838 [Filed]	SILVER-COATED ABRASIVES, TOOLS CONTAINING SILVER-COATED ABRASIVES, AND APPLICATIONS OF THESE TOOLS	United States	US	S/N: 09/776141 P/N: 6666753	2-Feb-01		
60SD839 [Filed]	JADEITE AND ITS PRODUCTION	United States	US	S/N: 09/737667	15-Dec-00		
60SD839 [Filed]	JADEITE AND ITS PRODUCTION	United States	US	S/N: 09/799192	5-Mar-01		
60SD845 [Filed]	BORON DOPED BLUE DIAMOND AND ITS PRODUCTION	United States	US	S/N: 09/935957	23-Aug-01		

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60SD845 (Filed)	BORON DOPED BLUE DIAMOND AND ITS PRODUCTION	United States	US	S/N: 10/262784	2-Oct-02		
60SD851 (Filed)	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND USE THEREOF IN VITREOUS MATRIX COMPOSITES	United States	US	S/N: 09/987863 P/N: 6475254	16-Nov-01		
60SD851 (Filed)	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND USE THEREOF IN VITREOUS MATRIX COMPOSITES	United States	US	S/N: 10/174914 P/N: 6596040	19-Jun-02		
60SD852 (Filed)	HIGH PRESSURE PRODUCTION OF PEROVSKITES	United States	US	S/N: 09/931312	16-Aug-01		
RD14877 (Filed)	SINTERED POLYCRYSTALLINE DIAMOND COMPACT CONSTRUCTION WITH INTEGRAL HEAT SINK	United States	US	S/N: 652242 P/N: 4605343	20-Sep-84		
RD16334 (Filed)	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	US	S/N: 830414 P/N: 4690691	13-Feb-86		
RD17340 (Filed)	DIAMOND CRYSTAL GROWTH PROCESS	United States	US	S/N: 07/332914 P/N: 5261959	4-Apr-89		
RD17340 (Filed)	DIAMOND CRYSTAL GROWTH PROCESS	United States	US	S/N: 08/150833 P/N: 5516554	10-Nov-93		
RD18037 (Filed)	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	US	S/N: 48176 P/N: 4797138	11-May-87		
RD18037 (Filed)	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	US	S/N: 07/048176 P/N: 4797138	11-May-87		
RD18116 (Filed)	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 07/744815 P/N: 5310447	12-Aug-91		
RD18402 (Filed)	EXCIMER LASER PATTERNING OF A NOVEL RESIST	United States	US	S/N: 224416 P/N: 4842677	26-Jul-88		
RD18693 (Filed)	METHOD FOR IMPROVING ADHESION OF SYNTHETIC DIAMOND COATINGS TO SUBSTRATES	United States	US	S/N: 07/653556 P/N: 5190823	11-Feb-91		
RD19369 (Filed)	TRANSPARENT DIAMOND FILMS AND METHOD FOR MAKING	United States	US	S/N: 07/407179 P/N: 5110579	14-Sep-89		
RD19369 (Filed)	TRANSPARENT DIAMOND FILMS AND METHOD FOR MAKING	United States	US	S/N: 07/859753 P/N: 5273731	30-Mar-92		
RD19567 (Filed)	FREE STANDING DIAMOND SHEET AND METHOD AND APPARATUS FOR MAKING SAME	United States	US	S/N: 07/537963 P/N: 5464071	13-Jun-90		
RD20142 (Filed)	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 08/163608 P/N: 5419276	6-Dec-93		
RD20142 (Filed)	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 08/368732 P/N: 5540904	4-Jan-95		
RD20790 (Filed)	APPARATUS FOR PRODUCING DIAMONDS BY CHEMICAL VAPOR DEPOSITION AND ARTICLES PRODUCED THEREFROM	United States	US	S/N: 07/948077 P/N: 5204145	21-Sep-92		
RD20983 (Inactivated)	ARTIFICIAL POLYMER LATTICES IN CORE-SHELL FORM AND METHOD OF PREPARATION	United States	US	S/N: 07/980,444 P/N: 5356955	23-Nov-93		
RD21018 (Filed)	METHOD FOR IMPROVING ADHESION OF SYNTHETIC DIAMOND COATINGS TO SUBSTRATES	United States	US	S/N: 07/653556 P/N: 5190823	11-Feb-91		
RD21033 (Filed)	IMPROVED METHOD OF APPLYING METAL COATINGS ON DIAMOND AND ARTICLES MADE THEREFROM	United States	US	S/N: 07/722575 P/N: 5190796	27-Jun-91		

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RD21034 [Inactivated]	METHOD OF PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION AND THE SUPPORT MANDRELS USED THEREIN	United States	US	S/N: 08/119448 P/N: 5669133	9-Sep-93		
RD21356 [Filed]	METHOD FOR PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION	United States	US	S/N: 07/845992 P/N: 5175929	4-Mar-92		
RD21493 [Filed]	METHOD OF APPLYING METAL COATING ON CUBIC ORON NITRIDE AND ARTICLES MADE THEREFROM	United States	US	S/N: 07/738758 P/N: 5188643	1-Aug-91		
RD21661 [Filed]	PREHEATER FOR CVD DIAMOND REACTOR	United States	US	S/N: 08/306077 P/N: 5479874	14-Sep-94		
RD21796 [Filed]	SUPPRESSION OF GRAPHITE FORMATION DURING LASER ETCHING OF DIAMOND	United States	US	S/N: 08/248896 P/N: 5419798	25-May-94		
RD22021 [Filed]	SUBSTANTIALLY TRANSPARENT FREE STANDING DIAMOND FILMS	United States	US	S/N: 07/859753 P/N: 5273731	30-Mar-92		
RD22055 [Filed]	METHOD FOR DETERMINING THICKNESS OF CHEMICAL VAPOR DEPOSITED LAYERS	United States	US	S/N: 07/991798 P/N: 5300313	16-Dec-92		
RD22294 [Filed]	PROCESS FOR MAKING METALLIZED VIAS IN DIAMOND SUBSTRATES	United States	US	S/N: 08/188877 P/N: 5382758	31-Jan-94		
RD22486 [Filed]	APPARATUS FOR PRODUCING DIAMOND BY CHEMICAL VAPOR DEPOSITION AND ARTICLES PRODUCED THEREFROM	United States	US	S/N: 07/948077 P/N: 5204145	21-Sep-92		
RD22514 [Filed]	APPARATUS FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND INCLUDING GRAPHITE SUBSTRATE HOLDERS	United States	US	S/N: 08/096392 P/N: 5391229	26-Jul-93		
RD22530 [Filed]	APPARATUS FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND INCLUDING THERMAL SPREADER	United States	US	S/N: 08/172797 P/N: 5397396	27-Dec-93		
RD22721 [Filed]	POLYCRYSTALLINE CARBON CONVERSION	United States	US	S/N: 09/206721 P/N: 6126741	7-Dec-98		
RD22800 [Filed]	TUNGSTEN METALLIZATION OF CVD DIAMOND	United States	US	S/N: 08/100406 P/N: 5346719	2-Aug-93		
RD22976 [Filed]	METHOD FOR MAKING HIGH THERMAL CONDUCTING DIAMOND	United States	US	S/N: 08/316995 P/N: 5445106	3-Oct-94		
RD22980 [Filed]	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/261358 P/N: 5424096	13-Jun-94		
RD22980 [Filed]	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/364568 P/N: 5437728	27-Dec-94		
RD23162 [Filed]	METHOD OF PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION AND THE SUPPORT MANDRELS USED THEREIN	United States	US	S/N: 08/119448 P/N: 5669133	9-Sep-93		
RD23356 [Filed]	CHEMICAL VAPOR DEPOSITION OF POLYCRYSTALLINE DIAMOND WITH ORIENTATION AND GROWTH FACETS	United States	US	S/N: 08/264268 P/N: 5437891	23-Jun-94		
RD23427 [Filed]	PROCESS FOR MAKING METALLIZED VIAS IN DIAMOND SUBSTRATES	United States	US	S/N: 08/188877 P/N: 5382758	31-Jan-94		
RD23481 [Filed]	DIAMOND OPTICAL PLATE BEAMSPLITTER	United States	US	S/N: 08/538656 P/N: 5706135	3-Oct-95		
RD23502 [Filed]	APPARATUS FOR ANNEALING DIAMOND WATER JET MIXING TUBES	United States	US	S/N: 08/267181 P/N: 5468934	15-Jun-94		
RD23503 [Filed]	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/261358 P/N: 5424096	13-Jun-94		
RD23511 [Filed]	ARTICLES HAVING THERMAL CONDUCTORS OF GRAPHITE	United States	US	S/N: 08/262796 P/N: 5494753	20-Jun-94		
RD23716 [Filed]	SUPPRESSION OF GRAPHITE FORMATION DURING LASER ETCHING OF DIAMOND	United States	US	S/N: 08/248896 P/N: 5419798	25-May-94		

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RD23717 [Filed]	ULTRAFAST OPTICAL MODULATOR	United States	US	S/N: 08/605417 P/N: 5659415	22-Feb-96		
RD23819 [Filed]	FABRICATION OF BRAZABLE IN AIR TOOL INSERTS AND INSERTS FABRICATED THEREBY	United States	US	S/N: 08/350572 P/N: 5628909	7-Dec-94		
RD23927 [Filed]	COMPOSITE DIAMOND WIRE DIE	United States	US	S/N: 08/499238 P/N: 5634369	7-Jul-95		
RD23948 [Filed]	DIAMOND FILM STRUCTURE WITH HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 08/316998 P/N: 5525815	3-Oct-94		
RD24002 [Filed]	SYNTHETIC DIAMOND PRODUCT	United States	US	S/N: 08/411181 P/N: 5503104	27-Mar-95		
RD24111 [Filed]	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/364568 P/N: 5437728	27-Dec-94		
RD24416 [Filed]	COMPOSITE DIAMOND WIRE DIE	United States	US	S/N: 08/499237 P/N: 5636545	7-Jul-95		
RD24447 [Filed]	COMPOSITE DIAMOND WIRE DIE	United States	US	S/N: 08/499502 P/N: 5634370	7-Jul-95		
RD24450 [Filed]	ELECTRONIC APPARATUS WITH COMPLIANT METAL CHIP-SUBSTRATE BONDING LAYER(S)	United States	US	S/N: 08/457551 P/N: 5567985	1-Jun-95		
RD25160 [Filed]	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 09/201384 P/N: 6152977	30-Nov-98		
RD25160 [Filed]	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 09/484389 P/N: 6350191	14-Jan-00		
RD25160 [Filed]	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 09/484392 P/N: 6406776	14-Jan-00		
RD25308 [Filed]	SURFACE ENRICHED DIAMOND AND METHOD OF MAKING	United States	US	S/N: 09/783441	14-Feb-01		
RD27003 [Filed]	DIAMOND MICRO SLURRY FOR CHEMICAL-MECHANICAL PLANARIZATION OF SEMI CONDUCTOR WAFERS	United States	US	S/N: 09/472104 P/N: 6258721	27-Dec-99		
RD27003 [Filed]	DIAMOND MICRO SLURRY FOR CHEMICAL-MECHANICAL PLANARIZATION OF SEMI CONDUCTOR WAFERS	United States	US	S/N: 09/591189 P/N: 6242351	9-Jun-00		
RD27642 [Filed]	METHOD OF DETECTION OF NATURAL DIAMONDS THAT HAVE BEEN PROCESSED AT HIGH PRESSURE AND HIGH TEMPERATURES	United States	US	S/N: 09/430477 P/N: 6377340	29-Oct-99		
RD27888 [Filed]	FUNCTIONALIZED DIAMONDS WITH ENHANCED RETENTION IN RESIN BONDS, REACTIONS AND METHODS FOR PRODUCING SAME, AND ABRASIVES USING FUNCTIONALIZED DIAMONDS	United States	US	S/N: 09/576794 P/N: 6372002	23-May-00		
RD28183 [Filed]	METAL-INFILTRATED POLYCRYSTALLINE DIAMOND COMPOSITE TOOL FORMED FROM COATED DIAMOND PARTICLES	United States	US	S/N: 09/793312 P/N: 6541115	26-Feb-01		
RD28183 [Filed]	METAL-INFILTRATED POLYCRYSTALLINE DIAMOND COMPOSITE TOOL FORMED FROM COATED DIAMOND PARTICLES	United States	US	S/N: 10/255431	26-Sep-02		
RD28271 [Filed]	ABRASIVE DIAMOND COMPOSITE AND METHOD OF MAKING THEREOF	United States	US	S/N: 09/729525	4-Dec-00		
134047 [Filed]	METHOD TO STABILIZE FRAME SAW BLADES DURING CUT INITIATION	United States	US	134047 -1 Provisional [Filed]	14-Aug-03		



Docref Number	Title	Filing Country	Country Code	Filing No./Type/SN/PN	Filing Date	Agent	Comments
[Awaiting]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH DISCRETE PARTICLE SIZE AREAS	United States	US	[Issued] S/N: 09/167,196 P/N: 6,197,068	[Awaiting]		
[Awaiting]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH IMPROVED IMPACT AND THERMAL STABILITY	United States	US	[Issued] S/N: 08/523,888 P/N: 5,645,617	[Awaiting]		
[Awaiting]	COMPOSITE POLYCRYSTALLINE COMPACT WITH IMPROVED FRACTURE AND DELAMINATION RESISTANCE	United States	US	[Issued] S/N: 08/415,693 P/N: 5,664,511	[Awaiting]		
[Awaiting]	HIGH PRESSURE/HIGH TEMPERATURE PISTON-CYLINDER APPARATUS	United States	US	[Issued] S/N: 07/792,716 P/N: 5,244,368	[Awaiting]		
[Awaiting]	HIGH PRESSURE REACTION VESSEL	United States	US	[Issued] S/N: 07/826,808 P/N: 5,236,674	[Awaiting]		
[Awaiting]	MODIFIED END ASSEMBLY FOR HIGH PRESSURE, HIGH TEMPERATURE REACTION VESSELS	United States	US	[Issued] S/N: 07/660,332 P/N: 5,190,734	[Awaiting]		
[Awaiting]	HIGH STRENGTH COMPOSITE COMPONENT AND METHOD OF FABRICATION	United States	US	[Issued] S/N: 07/153,728 P/N: 5,032,147	[Awaiting]		
[Awaiting]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH IMPROVED IMPACT RESISTANCE	United States	US	[Issued] S/N: 07/390,208 P/N: 5,011,515	[Awaiting]		
[Awaiting]	COMPOSITE COMPACT WITH A MORE THERMALLY STABLE CUTTING EDGE AND METHOD OF MANUFACTURING THE SAME	United States	US	[Issued] S/N: 07/390,204 P/N: 5,011,509	[Awaiting]		
[Awaiting]	COMPOSITE ABRASIVE COMPACT HAVING HIGH THERMAL STABILITY AND TRANSVERSE RUPTURE STRENGTH	United States	US	[Issued] S/N: 07/151,942 P/N: 4,871,377	[Awaiting]		
[Awaiting]	MATRIX CUTTER	United States	US	[Filed] S/N: 10/183,098	[Awaiting]		
[Awaiting]	ENHANCED METHOD FOR MAKING CVD DIAMOND	United States	US	[Filed] S/N: 10/161,266	[Awaiting]		

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112200 [Filed]	POLYCRYSTALLINE DIAMOND TIPS ON CUTTERS FOR HIGH SPEED DISC SAWHEADS FOR APPLICATION IN THE TIMBER INDUSTRY	United States	US	Provisional [Filed] S/N: 60/473511	23-May-03		
123571 [Filed]	AUTOCATALYTIC NICKEL-BORON COATING PROCESS FOR DIAMOND PARTICLES	United States	US	Provisional [Filed] S/N: 60/438957	9-Jan-03		
123989 [Filed]	LASER SUPPORT NICKEL-PLATING OF SUPERABRASIVE TOOL	United States	US	S/N: 10/172,034	14-Jun-02		
124337 [Filed]	CUTTING TOOL INSERT DESIGNED WITH MINIMIZED RESIDUAL TENSILE STRESSES	United States	US	Provisional [Filed] S/N: 60/395,182	10-Jul-02		
124337 [Filed]	CUTTING TOOL INSERT DESIGNED WITH MINIMIZED RESIDUAL TENSILE STRESSES	United States	US	S/N: 10/458903 P/N: 6666753	11-Jun-03		
125174 [Filed]	CUTTING TOOL WITH TWO-SLOPE PROFILE DESIGNED WITH MINIMIZED AXIAL SURFACE RESIDUAL STRESSES	United States	US	Provisional [Filed] S/N: 60/395,181	10-Jul-02		
125174 [Filed]	CUTTING TOOL WITH TWO-SLOPE PROFILE DESIGNED WITH MINIMIZED AXIAL SURFACE RESIDUAL STRESSES	United States	US	S/N: 10/455008	5-Jun-03		
125185 [Filed]	METHOD TO IMPROVE WEAR UNIFORMITY OF DIAMOND-CONTAINING SEGMENTS ON BLADES FOR STABBING GRANITE	United States	US	Provisional [Filed] S/N: 60/432222	10-Dec-02		
125185 [Filed]	METHOD TO IMPROVE WEAR UNIFORMITY OF DIAMOND-CONTAINING SEGMENTS ON BLADES FOR STABBING GRANITE	United States	US		9-Dec-03		
125877 [Filed]	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	United States	US	Provisional [Filed] S/N: 60/382209	21-May-02		
125877 [Filed]	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	United States	US	S/N: 10/437469	8-Jul-03		
125877 [Filed]	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	United States	US	125877 -7 Original [Filed]			
126337 [Filed]	SCRATCH-PROOF COMPOSITE WATCH GLASS	United States	US	Provisional [Filed] S/N: 60/399778	31-Jul-02		
126360 [Filed]	A SINTERED COMPACT FOR USE IN MACHINING CHEMICALLY REACTIVE MATERIALS	United States	US	Provisional [Filed] S/N: 60/391707	26-Jun-02		
126360 [Filed]	A SINTERED COMPACT FOR USE IN MACHINING CHEMICALLY REACTIVE MATERIALS	United States	US	S/N: 10/437516	14-May-03		
126855 [Filed]	METHOD FOR PRODUCING SINTERED POLYCRYSTALLING DIAMOND ON TUNGSTEN CARBIDE SUBSTRATES	United States	US	Provisional [Filed] S/N: 60/414987	1-Oct-02		
126855 [Filed]	METHOD FOR PRODUCING SINTERED POLYCRYSTALLING DIAMOND ON TUNGSTEN CARBIDE SUBSTRATES	United States	US		17-Jul-03		
129177 [Filed]	EXTRUSION AND COMPOUNDING EQUIPMENT COMPONENTS WITH IMPROVED WEAR RESISTANCE	United States	US	Provisional [Filed] S/N: 60/445631	7-Feb-03		
129178 [Filed]	IMPROVED WEAR RESISTANT COMPONENTS FOR SIZE REDUCTION AND SIZE CLASSIFICATION EQUIPMENT	United States	US	Provisional [Filed] S/N: 60/445615	7-Feb-03		

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129182 (Filed)	WEAR CONTROL IN CONTINUOUS GLASS FIBER PLANTS	United States	US	Provisional (Filed) S/N: 60/445614	7-Feb-03		
129184 (Filed)	WEAR-RESISTANT DRILL BIT BODIES AND OTHER COMPONENTS FOR OIL AND GAS DRILLING	United States	US	Provisional (Filed) S/N: 60/445659	7-Feb-03		
129892 (Filed)	WEAR AND CORROSION RESISTANT ORIFICE AND RELATED COMPONENTS	United States	US	Provisional (Filed) S/N: 60/445633	7-Feb-03		
130335 (Filed)	ARTICLES COMPRISING AN ABRASION-RESISTANT RESINOUS SKIN INTEGRALLY BONDED WITH GRADED INTERFACE TO A RESINOUS CORE MATERIAL	United States	US	Provisional (Filed) S/N: 60/440455	15-Jan-03		
130335 (Filed)	ARTICLES COMPRISING AN ABRASION-RESISTANT RESINOUS SKIN INTEGRALLY BONDED WITH GRADED INTERFACE TO A RESINOUS CORE MATERIAL	United States	US	Provisional (Filed) S/N: 60/464517	22-Apr-03		
131068 (Filed)	WEAR AND CORROSION PREVENTION IN FIREARMS	United States	US	Provisional (Filed) S/N: 60/445609	7-Feb-03		
132255 (Filed)	AIRCRAFT ENGINE WEAR PARTS	United States	US	Provisional (Filed) S/N: 60/445632	7-Feb-03		
132270 (Filed)	CLIPPER BLADE SETS AND COMBS WITH IMPROVED WEAR RESISTANCE	United States	US	Provisional (Filed) S/N: 60/445610	7-Feb-03		
132876 (Filed)	SELECTION OF DIAMONDS GRIT MORPHOLOGY AND SIZE DISTRIBUTION FOR CMP CONDITIONER APPLICATION	United States	US	Provisional (Filed)	8-Oct-03		
133139 (Filed)	IMPROVED WEAR PERFORMANCE TOOLS FOR METAL, PLASTIC, CERAMIC AND COMPOSITE FORMING	United States	US	Provisional (Filed) S/N: 60/447808	14-Feb-03		
133140 (Filed)	PCD AND PCBN TOOL BLANKS WITH PREFIXED BRAZE ALLOY	United States	US	Provisional (Filed) S/N: 60/445613	7-Feb-03		
133141 (Filed)	COATINGS WITH HIGHLY TORTUOUS SURFACE TOPOGRAPHY FOR ABRASIVE/SUPERABRASIVE PARTICLES USED IN METALS/CERAMIC/POLYMER MATRIX COMPOSITES	United States	US	Provisional (Filed) S/N: 60/469285	8-May-03		
133615 (Filed)	IMPROVED TOOLS FOR MACHINING FIBER CEMENTS	United States	US	Provisional (Filed)	11-Mar-03		
133794 (Filed)	SUPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELIMINATE HOT-BRAZING IN TOOL FABRICATION	United States	US	Provisional (Filed) S/N: 60/470306	14-May-03		
133794 (Filed)	SUPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELIMINATE HOT-BRAZING IN TOOL FABRICATION	United States	US		22-Oct-03		
133920 (Filed)	DRILL BITS, ROUTER BITS, PROFILE CUTTERS, FILES, PLANING AND SAW BLADES WITH IMPROVED WEAR RESISTANCE	United States	US	Provisional (Filed) S/N: 60/469287	9-May-03		
133975 (Filed)	METHOD TO IMPROVE TOOL INTEGRITY WHEN CUTTING STONE	United States	US	Provisional (Filed)	14-Aug-03		
135143 (Filed)	A METHOD OF MAKING ABRASIVE TOOLS FROM BI-MODAL DIAMOND OR CUBIC BORON NITRIDE POWDER	United States	US	Provisional (Filed) S/N: 60/467311	2-May-03		

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136255 [Filed]	SINTERED COMPACT FOR USE IN MACHINING VARIOUS CAST IRON MATERIALS	United States	US	Provisional [Filed]	3-Dec-03		
145361 [Filed]	COMPRESSION CONTAINER FOR POLYCRYSTALLINE WIRE DIE	United States	US	Provisional [Filed]	10-Dec-03		
60SD10 [Filed]	DIAMOND AND CBN ABRASIVE COMPACTS USING SIZE SELECTIVE ABRASIVE PARTICLE LAYERS	United States	US	S/N: 219289 P/N: 4311490	7-Sep-88		
60SD147 [Filed]	RE-SINTERED BORON-RICH POLYCRYSTALLINE CUBIC BORON NITRIDE AND MET HOD FOR MAKING SAME	United States	US	S/N: 823893 P/N: 4673414	29-Jan-86		
60SD184 [Filed]	GANG SAW FOR CUTTING BLOCKS OF STONE	United States	US	S/N: 515448 P/N: 4498450	20-Jul-83		
60SD240 [Filed]	PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	US	S/N: 542081 P/N: 4525179	14-Oct-83		
60SD242 [Filed]	PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	US	S/N: 488003 P/N: 4536442	2-May-83		
60SD245 [Filed]	MERGED WITH 60SD-259 FOR FILING	United States	US	S/N: 818850 P/N: 4797326	14-Jan-86		
60SD24559 [Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS	United States	US	S/N: 818850 P/N: 4797326	14-Jan-86		
60SD246 [Filed]	GANG SAW FOR CUTTING BLOCKS OF STONE	United States	US	S/N: 515448 P/N: 4498450	20-Jul-83		
60SD249 [Filed]	SWEEP THROUGH PROCESS FOR MAKING POLYCRYSTALLINE COMPACTS	United States	US	S/N: 536221 P/N: 4518659	23-Sep-83		
60SD251 [Filed]	IMPROVED PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	US	S/N: 552081 P/N: 4525179	14-Oct-83		
60SD254 [Filed]	COATED OXIDATION-RESISTANT POROUS ABRASIVE COMPACT AND METHOD FOR MAKING SAME	United States	US	S/N: 06/920041 P/N: 4738689	16-Oct-86		
60SD256 [Filed]	POLYCRYSTALLINE SANDWICH COMPACTS AND METHOD FOR MAKING SAME	United States	US	S/N: 07/277875 P/N: 5009673	30-Nov-88		
60SD257 [Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	United States	US	S/N: 697668 P/N: 4810447	4-Feb-85		
60SD257 [Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	United States	US	S/N: 8491 P/N: 4832708	27-Jan-87		
60SD261 [Filed]	PROCESS FOR PREPARING POLYCRYSTALLINE CBN CERAMIC MASSES AND RESULTING PRODUCT	United States	US	S/N: 7/366943 P/N: 5043120	16-Jun-89		
60SD262 [Filed]	BRAZED COMPOSITE COMPACT IMPLEMENTS	United States	US	S/N: 624084 P/N: 4527998	25-Jun-84		
60SD303 [Filed]	REFRACTORY METAL OXIDE COATED ABRASIVES AND GRINDING WHEELS MADE THEREFROM	United States	US	S/N: 07/358728 P/N: 4951427	30-May-89		
60SD305 [Filed]	STUD-MOUNTED POLYCRYSTALLINE TOOTHED DIAMOND CUTTING BLANKS	United States	US	S/N: 7/192872 P/N: D317010	11-May-88		
60SD308 [Filed]	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	United States	US	S/N: 7/365268 P/N: 4931363	12-Jun-89		

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60SD30811 [Filed]	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	United States	US	S/N: 158575 P/N: 4899922	22-Feb-88		
60SD317 [Filed]	COATED OXIDATION-RESISTANT POROUS ABRASIVE COMPACT AND METHOD FOR MAKING SAME	United States	US	S/N: 920041 P/N: 47386889	16-Oct-86		
60SD318 [Filed]	BONDING OF THERMALLY STABLE ABRASIVE COMPACTS TO CARBIDE SUPPORTS	United States	US	S/N: 07/158336 P/N: 4850523	22-Feb-88		
60SD327 [Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	United States	US	S/N: 008491 P/N: 4832708	29-Jan-87		
60SD33 [Filed]	OPTICAL WINDOWS MADE OF POLYCRYSTALLINE ADAMANTANE BORON NITRIDE OR DIAMOND	United States	US	S/N: 488003 P/N: 4536442	2-May-83		
60SD332 [Filed]	METHOD OF MAKING DIAMOND TOOL	United States	US	S/N: 713966 P/N: 4661180	25-Mar-85		
60SD333 [Filed]	POLYCRYSTALLINE ABRASIVE GRIT	United States	US	S/N: 153466 P/N: 4828582	3-Feb-88		
60SD333V [Filed]	POLYCRYSTALLINE ABRASIVE GRIT	United States	US	S/N: 793462 P/N: 4828582	1-Sep-88		
60SD358 [Filed]	PRODUCTS AND PROCESS FOR MAKING MULTIGRAIN ABRASIVE COMPACTS	United States	US	S/N: 07/669259 P/N: 5211726	14-Mar-91		
60SD364 [Filed]	MULTIGRAIN ABRASIVE PARTICLES	United States	US	S/N: 07/669124 P/N: 5106392	14-Mar-91		
60SD367 [Filed]	CHIP BREAKER FOR POLYCRYSTALLINE CBN AND DIAMOND COMPACTS	United States	US	S/N: 7/429661 P/N: 5026960	31-Oct-89		
60SD368 [Filed]	DIAMOND AND CUBIC BORON NITRIDE	United States	US	S/N: 156272 P/N: 4807402	12-Feb-88		
60SD389 [Filed]	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANKS	United States	US	S/N: 328347 P/N: D330206	24-Mar-89		
60SD390 [Filed]	RECIPROCATING POINT ROTARY DIAMOND	United States	US	S/N: 07/635082 P/N: 5172681	28-Dec-90		
60SD401 [Filed]	INTERLOCKING MOUNTED ABRASIVE COMPACTS	United States	US	S/N: 332814 P/N: D325226	3-Apr-89		
60SD412 [Filed]	SAWBLADE SEGMENTS UTILIZING POLYCRYSTALLINE DIAMOND GRIT	United States	US	S/N: 262405 P/N: 4883500	25-Oct-88		
60SD419 [Filed]	SUPPORTED THERMALLY STABLE CUBIC BORON NITRIDE TOOLS BLANKS AND METHOD FOR MAKING THE SAME	United States	US	S/N: 7/394349 P/N: 4985050	15-Aug-89		
60SD428 [Filed]	DIAMOND COMPACTS FOR ROCK DRILLING AND MACHINING	United States	US	S/N: 7/420191 P/N: 5022894	12-Oct-89		
60SD437 [Filed]	METHOD FOR PRODUCING POLYCRYSTALLINE COMPACT TOOL BLANKS WITH FLAT CARBIDE SUPPORT/DIAMOND OR CBN INTERFACES	United States	US	S/N: 331928 P/N: 4954139	31-Mar-89		
60SD439 [Filed]	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANK	United States	US	S/N: 328348 P/N: D324527	24-Mar-89		
60SD439 [Filed]	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANK	United States	US	S/N: 7/328348 P/N: 324527	24-Mar-89		
60SD440 [Filed]	INTERLOCKING MOUNTED ABRASIVE COMPACTS	United States	US	S/N: 332828 P/N: D324056	3-Apr-89		
60SD455 [Filed]	CBN/CBN COMPOSITE MASSES AND THEIR PREPARATION	United States	US	S/N: 7/630916 P/N: 5106792	20-Dec-90		
60SD458 [Filed]	MULTI-LAYER METAL COATED DIAMOND ABRASIVES FOR SINTERED METAL BONDED TOOLS	United States	US	S/N: 07/857132 P/N: 5250086	25-Mar-92		

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60SD461 [Filed]	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	United States	US	S/N: 365268 P/N: 4931363	12-Jun-89		
60SD469 [Filed]	POLYCRYSTALLINE CVD DIAMOND SUBSTRATE FOR SINGLE CRYSTAL EPITAXIAL GROWTH OF SEMICONDUCTORS FORMERLY	United States	US	S/N: 07/479486 P/N: 4981818	13-Feb-90		
60SD493 [Filed]	CVD DIAMOND COATED ANNULUS COMPONENTS AND THEIR METHOD OF FABRICATION	United States	US	S/N: 08/127964 P/N: 5508071	28-Sep-93		
60SD498 [Filed]	CVD DIAMOND FOR COATING TWIST DRILLS	United States	US	S/N: 07/563367 P/N: 5096736	7-Aug-90		
60SD498 [Filed]	CVD DIAMOND FOR COATING TWIST DRILLS	United States	US	S/N: 07/929239 P/N: 5256206	14-Aug-92		
60SD499 [Filed]	CVD DIAMOND COATED TWIST DRILLS	United States	US	S/N: 07/555879 P/N: 5022801	18-Jul-90		
60SD504 [Filed]	USING THERMALLY-STABLE DIAMOND OR CBN COMPACTS AS TIPS FOR ROTARY DRILLS	United States	US	S/N: 07/577379 P/N: 5273557	4-Sep-90		
60SD506 [Filed]	ISOTOPICALLY PURE SINGLE CRYSTAL EPITAXIAL DIAMOND FILMS AND THEIR PREPARATION	United States	US	S/N: 07/547651 P/N: 5360479	2-Jul-90		
60SD518 [Filed]	THERMALLY STABLE DENSE ELECTRICALLY CONDUCTIVE DIAMOND COMPACTS	United States	US	S/N: 07/773461 P/N: 5266236	9-Oct-91		
60SD528 [Filed]	MULTILAYER CVD DIAMOND FILMS	United States	US	S/N: 08/400555 P/N: 5491002	8-Mar-95		
60SD567 [Filed]	CHEMICALLY BONDED ADHERENT COATING FOR ABRASIVE COMPACTS AND METHOD FOR MAKING SAME	United States	US	S/N: 07/710725 P/N: 5173091	4-Jun-91		
60SD576 [Filed]	SMOOTH SURFACE CVD DIAMOND FILMS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 07/967461 P/N: 5439492	28-Oct-92		
60SD576 [Filed]	SMOOTH SURFACE CVD DIAMOND FILMS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 08/220946 P/N: 5523121	31-Mar-94		
60SD577 [Filed]	CARBON FLUORIDE COMPOSITIONS	United States	US	S/N: 08/073991 P/N: 5380557	3-Jun-93		
60SD578 [Filed]	METHOD FOR MAKING SMOOTH SUBSTRATE MANDRELS	United States	US	S/N: 07/815478 P/N: 5176803	4-Mar-92		
60SD581 [Filed]	METHOD FOR PRODUCING UNIFORM CYLINDRICAL TUBES OF CVD DIAMOND	United States	US	S/N: 08/136888 P/N: 5387447	19-Oct-93		
60SD582 [Filed]	PROCESS FOR MAKING COATED ABRASIVES FOR GRINDING WHEELS	United States	US	S/N: 08/032750 P/N: 5306318	17-Mar-93		
60SD583 [Filed]	COATING FOR IMPROVED RETENTION OF CBN IN VITREOUS BOND MATRICES	United States	US	S/N: 08/005951 P/N: 5300129	19-Jan-93		
60SD584 [Filed]	DUAL-COATED DIAMOND PELLETS AND SAW BLADE SEGMENTS MADE THEREWITH	United States	US	S/N: 07/762999 P/N: 5143523	20-Sep-91		
60SD615 [Filed]	METHOD FOR CONTROLLING THE PARTICLE SIZE DISTRIBUTION IN THE PRODUCTION OF MULTICRYSTALLINE CUBIC BORON NITRIDE	United States	US	S/N: 07/995229 P/N: 5985228	22-Dec-92		
60SD628 [Filed]	DIAMOND PELLETS AND SAW BLADE SEGMENTS MADE THEREWITH	United States	US	S/N: 07/857192 P/N: 5405573	4-May-92		
60SD633 [Filed]	MULTI-LAYER METAL COATED DIAMOND ABRASIVES WITH AN ELECTROLESSLY DEPOSITED METAL LAYER	United States	US	S/N: 07/857139 P/N: 5232469	25-Mar-92		

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60SD643 [Filed]	SUPPORTED POLYCRYSTALLINE DIAMOND COMPACT HAVING A CUBIC BORON NITRIDE INTERLAYER FOR IMPROVED PHYSICAL PROPERTIES	United States	US	S/N: 08/322841 P/N: 5510193	13-Oct-94		
60SD643 [Filed]	SUPPORTED POLYCRYSTALLINE DIAMOND COMPACT HAVING A CUBIC BORON NITRIDE INTERLAYER FOR IMPROVED PHYSICAL PROPERTIES	United States	US	S/N: 08/595715 P/N: 5603070	2-Feb-96		
60SD645 [Filed]	PREPARATION OF THIN FREE-STANDING DIAMOND FILMS	United States	US	S/N: 08/369047 P/N: 5490963	5-Jan-95		
60SD647 [Filed]	FINE GRAIN DIAMOND WORKPIECES	United States	US	S/N: 07/967461 P/N: 5439492	28-Oct-92		
60SD652 [Filed]	ABRASIVE TOOL INSERT SEE CIP 60SD00658	United States	US	S/N: 08/095631 P/N: 5484330	21-Jul-93		
60SD652 [Filed]	ABRASIVE TOOL INSERT SEE CIP 60SD00658	United States	US	S/N: 08/271307 P/N: 5486137	6-Jul-94		
60SD653 [Filed]	REDUCTION OF STRESSES IN THE POLYCRYSTALLINE ABRASIVE LAYER OF A COMPOSITE COMPACT IN THE IN SITU BONDED CARBIDE/CARBIDE SUPPORT	United States	US	S/N: 08/489877 P/N: 5560754	13-Jun-95		
60SD658 [Filed]	ABRASIVE TOOL INSERT SEE CIP	United States	US	S/N: 08/105523 P/N: 5494477	11-Aug-93		
60SD660 [Filed]	PROCESS FOR PREPARING POLYCRYSTALLINE CBN CERAMIC MASSES AND RESULTING PRODUCT	United States	US	S/N: 07/985500 P/N: 5320988	1-Dec-92		
60SD662 [Filed]	METHOD OF SEPARATION OF PIECES FROM SUPER HARD MATERIAL BY PARTIAL LASER CUT AND PRESSURE CLEAVAGE	United States	US	S/N: 08/060459 P/N: 5387776	11-May-93		
60SD664 [Filed]	CLASSIFYING AND SORTING CRYSTALLINE OBJECTS	United States	US	S/N: 08/400556 P/N: 5544254	8-Mar-95		
60SD665 [Filed]	MEASURING THE STRENGTH OF ABRASIVE GRAINS	United States	US	S/N: 08/016638 P/N: 5392633	12-Feb-93		
60SD669 [Filed]	PROCESS FOR MAKING COATED ABRASIVES FOR GRINDING WHEELS	United States	US	S/N: 08/032750 P/N: 5306318	17-Mar-93		
60SD690 [Filed]	MULTIPLE GRAINED DIAMOND WIRE DIE	United States	US	S/N: 08/143802 P/N: 5361621	27-Oct-93		
60SD691 [Filed]	OPTICALLY IMPROVED DIAMOND WIRE DIE	United States	US	S/N: 08/148803 P/N: 5465603	5-Nov-93		
60SD693 [Filed]	ABRASIVE COMPACT WITH IMPROVED PROPERTIES	United States	US	S/N: 08/571312 P/N: 5855996	12-Dec-95		
60SD693 [Filed]	ABRASIVE COMPACT WITH IMPROVED PROPERTIES	United States	US	S/N: 09/087776 P/N: 6132675	29-May-98		
60SD694 [Filed]	DIAMOND WIRE DIE	United States	US	S/N: 08/121014 P/N: 5363687	14-Sep-93		
60SD696 [Filed]	ABRASIVE TOOL INSERT	United States	US	S/N: 08/271307 P/N: 5486137	6-Jul-94		
60SD698 [Filed]	CVD DIAMOND COATING ANNULUS COMPONENTS AND METHOD OF THEIR FABRICATION	United States	US	S/N: 08/127964 P/N: 5508071	28-Sep-93		
60SD701 [Filed]	DIAMOND WIRE DIE WITH POSITIONED OPENING	United States	US	S/N: 08/144168 P/N: 5377522	27-Oct-93		
60SD708 [Filed]	A METHOD FOR MANUFACTURING A DIAMOND ARTICLE	United States	US	S/N: 08/310449 P/N: 5529805	22-Sep-94		
60SD709 [Filed]	FABRICATION OF AIR BRAZABLE DIAMOND TOOL INSERTS AND INSERTS FABRICATED THEREBY	United States	US	S/N: 08/286076 P/N: 5500248	4-Aug-94		
60SD709 [Filed]	FABRICATION OF AIR BRAZABLE DIAMOND TOOL INSERTS AND INSERTS FABRICATED THEREBY	United States	US	S/N: 08/583360 P/N: 5647878	5-Jan-96		

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60SD712 [Filed]	METHOD FOR ENHANCING THE TOUGHNESS OF CVD DIAMOND	United States	US	S/N: 08/238543 P/N: 5451430	5-May-94		
60SD713 [Filed]	METHOD FOR ENHANCING THE TOUGHNESS OF CVD DIAMOND	United States	US	S/N: 08/654815 P/N: 5672395	29-May-96		
60SD714 [Filed]	ANNULAR DIAMOND BODIES	United States	US	S/N: 08/311658 P/N: 5551277	23-Sep-94		
60SD715 [Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS HAVING IMPROVED PHYSICAL PROPER TIES AND METHOD FOR MAKING SAME	United States	US	S/N: 08/239156 P/N: 5512235	6-May-94		
60SD715 [Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS HAVING IMPROVED PHYSICAL PROPER TIES AND METHOD FOR MAKING SAME	United States	US	S/N: 08/616997 P/N: 5773140	14-Mar-96		
60SD721 [Filed]	WIRE DRAWING DIE HAVING IMPROVED PHYSICAL PROPERTIES NO DIVISIONAL DUE PER GLL	United States	US	S/N: 08/412050 P/N: 5660075	28-Mar-95		
60SD726 [Filed]	A FINE GRAIN DIAMOND TOOL AND METHOD OF MANUFACTURE	United States	US	S/N: 08/551593 P/N: 5660836	1-Nov-95		
60SD728 [Filed]	PREPARATION OF THIN FREE-STANDING DIAMOND FILMS	United States	US	S/N: 08/369047 P/N: 5490863	5-Jan-95		
60SD731 [Filed]	CLASSIFYING AND SORTING CRYSTALLINE OBJECTS	United States	US	S/N: 08/400556 P/N: 5544254	8-Mar-95		
60SD732 [Filed]	MULTILAYER CVD DIAMOND FILMS	United States	US	S/N: 08/400555 P/N: 5491002	8-Mar-95		
60SD745 [Filed]	METHOD FOR PRODUCING UNIFORMLY HIGH QUALITY ABRASIVE COMPACTS	United States	US	S/N: 08/555672 P/N: 5669944	13-Nov-95		
60SD749 [Filed]	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH REDUCED FAILURE DURING BRAZING	United States	US	S/N: 08/975028 P/N: 6042463	20-Nov-97		
60SD750 [Filed]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT NO DIV DUE PER EPA 5/1/97	United States	US	S/N: 08/591879 P/N: 5662720	26-Jan-96		
60SD752 [Filed]	POLYCRYSTALLINE DIAMOND COMPACT (PDC) CUTTER WITH IMPROVED CUTTING CAPABILITY	United States	US	S/N: 08/975429 P/N: 6045440	20-Nov-97		
60SD753 [Filed]	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH IMPROVED CUTTING BY PREVENTING CHIP BUILD UP	United States	US	S/N: 09/131460 P/N: 6196910	10-Aug-98		
60SD760A [Filed]	POLYCRYSTALLINE DIAMOND CUTTING ELEMENT	United States	US	S/N: 08/777213 P/N: 5848657	27-Dec-96		
60SD768 [Filed]	AN IMPROVED ABRASIVE CUTTING ELEMENT AND DRILL BIT	United States	US	S/N: 08/611896 P/N: 5743346	6-Mar-96		
60SD769 [Filed]	POLYCRYSTALLINE DIAMOND CUTTING ELEMENT WITH DIAMOND RIDGE PATTERN	United States	US	S/N: 08/777222 P/N: 5829541	27-Dec-96		
60SD772 [Filed]	COATED CBN POLYCRYSTALLINE SUPERABRASIVE TOOLS	United States	US	S/N: 08/779417	7-Jan-97		
60SD772 [Filed]	COATED CBN POLYCRYSTALLINE SUPERABRASIVE TOOLS	United States	US	S/N: 10/411471	8-Apr-03		
60SD774 [Filed]	METHOD FOR PRODUCING CUBIC BORON NITRIDE USING MELAMINE AS A CATALYST	United States	US	S/N: 09/072144 P/N: 5669015	4-May-98		
60SD784 [Filed]	SYNTHETIC GASKET MATERIAL FOR USE IN HIGH PRESSURE PRESSES TRANS FMEGADIAMOND	United States	US	S/N: 08/874769 P/N: 5858525	13-Jun-97		



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	60SD785 [Filed]	THERMALLY-DIFFUSED BORON DIAMOND AND ITS PRODUCTION	United States	US	S/N: 09/561128 P/N: 6322891	28-Apr-00		
	60SD787 [Filed]	SUPERABRASIVE CUTTING ELEMENT WITH ENHANCED STIFFNESS, THERMAL CONDUCTIVITY AND CUTTING EFFICIENCY	United States	US	S/N: 08/783171 P/N: 6009963	14-Jan-97		
	60SD788 [Filed]	WIRE DRAWING DIE WITH NON-CYLINDRICAL INTERFACE CONFIGURATION FOR REDUCING STRESSES	United States	US	S/N: 08/950004 P/N: 5957005	14-Oct-97		
	60SD788 [Filed]	WIRE DRAWING DIE WITH NON-CYLINDRICAL INTERFACE CONFIGURATION FOR REDUCING STRESSES	United States	US	S/N: 09/358271 P/N: 6314836	21-Jul-99		
	60SD794 [Filed]	AXISYMMETRIC CUTTING ELEMENT	United States	US	S/N: 09/492095 P/N: 6260640	27-Jan-00		
	60SD795 [Filed]	SHAPED POLYCRYSTALLINE CUTTER ELEMENTS	United States	US	S/N: 09/072471 P/N: 6102143	4-May-98		
	60SD796 [Filed]	TITANIUM CHROMIUM ALLOY COATED DIAMOND CRYSTALS FOR USE IN SAW BLADE SEGMENTS AND METHOD FOR THEIR PRODUCTION	United States	US	S/N: 09/570957 P/N: 6319608	15-May-00		
	60SD802 [Filed]	HIGH PRESSURE/HIGH TEMPERATURE PRODUCTION OF COLORLESS AND FANCY COLORED DIAMONDS	United States	US	S/N: 10/338136	8-Jan-03		
	60SD805 [Filed]	HIGH PRESSURE APPARATUS HAVING TRANSITION SLOPE BINDING RING THAT MITIGATES TENSILE STRESSES AND CORRESPONDING METHOD	United States	US	S/N: 09/740777 P/N: 6375446	19-Dec-00		
	60SD806 [Filed]	LOW OXYGEN CUBIC BORON NITRIDE	United States	US	S/N: 10/001573	2-Nov-01		
	60SD811 [Filed]	CRYSTAL MIXING FOR LOW POWER GRINDING	United States	US	S/N: 09/988244	16-Nov-01		
	60SD812 [Filed]	METHOD AND APPARATUS FOR CUTTING GRANITE	United States	US	S/N: 60/139654	17-Jun-99		
	60SD812 [Filed]	METHOD AND APPARATUS FOR CUTTING GRANITE	United States	US	S/N: 10/014547	14-Dec-01		
	60SD817 [Filed]	HIGH PRESSURE/HIGH TEMPERATURE PRODUCTION OF COLORED DIAMONDS	United States	US	S/N: 10/069362	25-Aug-00		
	60SD820 [Filed]	SURFACE MODIFICATION OF COATED ABRASIVES TO ENHANCE THEIR ADHESION IN RESIN BOND TOOLS	United States	US	S/N: 09/901159	9-Jul-01		
	60SD827 [Filed]	ABRASIVE TOOL INSERTS AND THEIR PRODUCTION	United States	US	S/N: 09/845540 P/N: 6315652	30-Apr-01		
	60SD831 [Filed]	HIGH PRESSURE AND HIGH TEMPERATURE PRODUCTION OF DIAMONDS	United States	US	S/N: 60/224485	11-Aug-00		
	60SD831 [Filed]	HIGH PRESSURE AND HIGH TEMPERATURE PRODUCTION OF DIAMONDS	United States	US	S/N: 10/344249	11-Feb-03		
	60SD838 [Filed]	SILVER-COATED ABRASIVES, TOOLS CONTAINING SILVER-COATED ABRASIVES, AND APPLICATIONS OF THESE TOOLS	United States	US	S/N: 09/776141 P/N: 6666763	2-Feb-01		
	60SD839 [Filed]	JADEITE AND ITS PRODUCTION	United States	US	S/N: 09/737667	15-Dec-00		
	60SD839 [Filed]	JADEITE AND ITS PRODUCTION	United States	US	S/N: 09/799192	5-Mar-01		
	60SD845 [Filed]	BORON DOPED BLUE DIAMOND AND ITS PRODUCTION	United States	US	S/N: 09/935957	23-Aug-01		

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60SD845 (Filed)	BORON DOPED BLUE DIAMOND AND ITS PRODUCTION	United States	US	S/N: 10262784	2-Oct-02		
60SD851 (Filed)	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND USE THEREOF IN VITREOUS MATRIX COMPOSITES	United States	US	S/N: 09/987863 P/N: 6475254	16-Nov-01		
60SD851 (Filed)	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND USE THEREOF IN VITREOUS MATRIX COMPOSITES	United States	US	S/N: 10/174914 P/N: 6596040	19-Jun-02		
60SD852 (Filed)	HIGH PRESSURE PRODUCTION OF PEROVSKITES	United States	US	S/N: 09/931312	16-Aug-01		
RD14877 (Filed)	SINTERED POLYCRYSTALLINE DIAMOND COMPACT CONSTRUCTION WITH INTEGRAL HEAT SINK	United States	US	S/N: 652242 P/N: 4605343	20-Sep-84		
RD16334 (Filed)	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	US	S/N: 830414 P/N: 4690691	13-Feb-86		
RD17340 (Filed)	DIAMOND CRYSTAL GROWTH PROCESS	United States	US	S/N: 07/332914 P/N: 5261959	4-Apr-89		
RD17340 (Filed)	DIAMOND CRYSTAL GROWTH PROCESS	United States	US	S/N: 08/150633 P/N: 5516554	10-Nov-93		
RD18037 (Filed)	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	US	S/N: 48176 P/N: 4797138	11-May-87		
RD18037 (Filed)	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	US	S/N: 07/048176 P/N: 4797138	11-May-87		
RD18116 (Filed)	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 07/744815 P/N: 5310447	12-Aug-91		
RD18402 (Filed)	EXCIMER LASER PATTERNING OF A NOVEL RESIST	United States	US	S/N: 224416 P/N: 4842677	26-Jul-88		
RD18693 (Filed)	METHOD FOR IMPROVING ADHESION OF SYNTHETIC DIAMOND COATINGS TO SUBSTRATES	United States	US	S/N: 07/653556 P/N: 5190823	11-Feb-91		
RD19369 (Filed)	TRANSPARENT DIAMOND FILMS AND METHOD FOR MAKING	United States	US	S/N: 07/407179 P/N: 5110579	14-Sep-89		
RD19369 (Filed)	TRANSPARENT DIAMOND FILMS AND METHOD FOR MAKING	United States	US	S/N: 07/859753 P/N: 5273731	30-Mar-92		
RD19567 (Filed)	FREE STANDING DIAMOND SHEET AND METHOD AND APPARATUS FOR MAKING SAME	United States	US	S/N: 07/537963 P/N: 5464071	13-Jun-90		
RD20142 (Filed)	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 08/163608 P/N: 5419278	6-Dec-93		
RD20142 (Filed)	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 08/368732 P/N: 5540904	4-Jan-95		
RD20790 (Filed)	APPARATUS FOR PRODUCING DIAMONDS BY CHEMICAL VAPOR DEPOSITION AND ARTICLES PRODUCED THEREFROM	United States	US	S/N: 07/948077 P/N: 5204145	21-Sep-92		
RD20983 (Inachieved)	ARTIFICIAL POLYMER LATICES IN CORE-SHELL FORM AND METHOD OF PREPARATION	United States	US	S/N: 07/980,444 P/N: 5356955	23-Nov-93		
RD21018 (Filed)	METHOD FOR IMPROVING ADHESION OF SYNTHETIC DIAMOND COATINGS TO SUBSTRATES	United States	US	S/N: 07/653556 P/N: 5190823	11-Feb-91		
RD21033 (Filed)	IMPROVED METHOD OF APPLYING METAL COATINGS ON DIAMOND AND ARTICLES MADE THEREFROM	United States	US	S/N: 07/722575 P/N: 5190796	27-Jun-91		

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RD21034 [Inactivated]	METHOD OF PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION AND THE SUPPORT MANDRELS USED THEREIN	United States	US	S/N: 08/119448 P/N: 5869133	9-Sep-93		
RD21356 [Filed]	METHOD FOR PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION	United States	US	S/N: 07/845992 P/N: 5175929	4-Mar-92		
RD21493 [Filed]	METHOD OF APPLYING METAL COATING ON CUBIC BORON NITRIDE AND ARTICLES MADE THEREFROM	United States	US	S/N: 07/738758 P/N: 5188643	1-Aug-91		
RD21661 [Filed]	PREHEATER FOR CVD DIAMOND REACTOR	United States	US	S/N: 08/306077 P/N: 5479874	14-Sep-94		
RD21796 [Filed]	SUPPRESSION OF GRAPHITE FORMATION DURING LASER ETCHING OF DIAMOND	United States	US	S/N: 08/248896 P/N: 5419798	25-May-94		
RD22021 [Filed]	SUBSTANTIALLY TRANSPARENT FREE STANDING DIAMOND FILMS	United States	US	S/N: 07/859753 P/N: 5273731	30-Mar-92		
RD22055 [Filed]	METHOD FOR DETERMINING THICKNESS OF CHEMICAL VAPOR DEPOSITED LAYERS	United States	US	S/N: 07/991798 P/N: 5300313	16-Dec-92		
RD22294 [Filed]	PROCESS FOR MAKING METALLIZED VIAS IN DIAMOND SUBSTRATES	United States	US	S/N: 08/188877 P/N: 5382758	31-Jan-94		
RD22486 [Filed]	APPARATUS FOR PRODUCING DIAMOND BY CHEMICAL VAPOR DEPOSITION AND ARTICLES PRODUCED THEREFROM	United States	US	S/N: 07/948077 P/N: 5204145	21-Sep-92		
RD22514 [Filed]	APPARATUS FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND INCLUDING GRAPHITE SUBSTRATE HOLDERS	United States	US	S/N: 08/096392 P/N: 5391229	26-Jul-93		
RD22530 [Filed]	APPARATUS FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND INCLUDING THERMAL SPREADER	United States	US	S/N: 08/172797 P/N: 5397396	27-Dec-93		
RD22721 [Filed]	POLYCRYSTALLINE CARBON CONVERSION	United States	US	S/N: 09/206721 P/N: 6126741	7-Dec-98		
RD22800 [Filed]	TUNGSTEN METALLIZATION OF CVD DIAMOND	United States	US	S/N: 08/100406 P/N: 5346719	2-Aug-93		
RD22976 [Filed]	METHOD FOR MAKING HIGH THERMAL CONDUCTING DIAMOND	United States	US	S/N: 08/316995 P/N: 5445108	3-Oct-94		
RD22980 [Filed]	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/261358 P/N: 5424096	13-Jun-94		
RD22980 [Filed]	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/364568 P/N: 5437728	27-Dec-94		
RD23162 [Filed]	METHOD OF PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION AND THE SUPPORT MANDRELS USED THEREIN	United States	US	S/N: 08/119448 P/N: 5869133	9-Sep-93		
RD23356 [Filed]	CHEMICAL VAPOR DEPOSITION OF POLYCRYSTALLINE DIAMOND WITH ORIENTATION AND GROWTH FACETS	United States	US	S/N: 08/264268 P/N: 5437891	23-Jun-94		
RD23427 [Filed]	PROCESS FOR MAKING METALLIZED VIAS IN DIAMOND SUBSTRATES	United States	US	S/N: 08/188877 P/N: 5382758	31-Jan-94		
RD23481 [Filed]	DIAMOND OPTICAL PLATE BEAMSPLITTER	United States	US	S/N: 08/538656 P/N: 5706135	3-Oct-95		
RD23502 [Filed]	APPARATUS FOR ANNEALING DIAMOND WATER JET MIXING TUBES	United States	US	S/N: 08/267181 P/N: 5468934	15-Jun-94		
RD23503 [Filed]	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/261358 P/N: 5424096	13-Jun-94		
RD23511 [Filed]	ARTICLES HAVING THERMAL CONDUCTORS OF GRAPHITE	United States	US	S/N: 08/262796 P/N: 5494753	20-Jun-94		
RD23716 [Filed]	SUPPRESSION OF GRAPHITE FORMATION DURING LASER ETCHING OF DIAMOND	United States	US	S/N: 08/248896 P/N: 5419798	25-May-94		

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RD23717 [Filed]	ULTRAFAST OPTICAL MODULATOR	United States	US	S/N: 08/605417 P/N: 5659415	22-Feb-96		
RD23819 [Filed]	FABRICATION OF BRAZABLE IN AIR TOOL INSERTS AND INSERTS FABRICATED THEREBY	United States	US	S/N: 08/350572 P/N: 5626909	7-Dec-94		
RD23927 [Filed]	COMPOSITE DIAMOND WIRE DIE	United States	US	S/N: 08/499238 P/N: 5634369	7-Jul-95		
RD23948 [Filed]	DIAMOND FILM STRUCTURE WITH HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 08/316998 P/N: 5525815	3-Oct-94		
RD24002 [Filed]	SYNTHETIC DIAMOND PRODUCT	United States	US	S/N: 08/411181 P/N: 5503104	27-Mar-95		
RD24111 [Filed]	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/364568 P/N: 5437728	27-Dec-94		
RD24416 [Filed]	COMPOSITE DIAMOND WIRE DIE	United States	US	S/N: 08/499237 P/N: 5636545	7-Jul-95		
RD24447 [Filed]	COMPOSITE DIAMOND WIRE DIE	United States	US	S/N: 08/499502 P/N: 5634370	7-Jul-95		
RD24450 [Filed]	ELECTRONIC APPARATUS WITH COMPLIANT METAL CHIP-SUBSTRATE BONDING LAYER(S)	United States	US	S/N: 08/457551 P/N: 5567985	1-Jun-95		
RD25160 [Filed]	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 09/201384 P/N: 6152977	30-Nov-98		
RD25160 [Filed]	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 09/484389 P/N: 6350191	14-Jan-00		
RD25160 [Filed]	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 09/484392 P/N: 6406776	14-Jan-00		
RD25308 [Filed]	SURFACE ENRICHED DIAMOND AND METHOD OF MAKING	United States	US	S/N: 09/783441	14-Feb-01		
RD27003 [Filed]	DIAMOND MICRO SLURRY FOR CHEMICAL-MECHANICAL PLANARIZATION OF SEMI CONDUCTOR WAFERS	United States	US	S/N: 09/472104 P/N: 6258721	27-Dec-99		
RD27003 [Filed]	DIAMOND MICRO SLURRY FOR CHEMICAL-MECHANICAL PLANARIZATION OF SEMI CONDUCTOR WAFERS	United States	US	S/N: 09/591189 P/N: 6242351	9-Jun-00		
RD27642 [Filed]	METHOD OF DETECTION OF NATURAL DIAMONDS THAT HAVE BEEN PROCESSED AT HIGH PRESSURE AND HIGH TEMPERATURES	United States	US	S/N: 09/430477 P/N: 6377340	29-Oct-99		
RD27888 [Filed]	FUNCTIONALIZED DIAMONDS WITH ENHANCED RETENTION IN RESIN BONDS, REACTIONS AND METHODS FOR PRODUCING SAME, AND ABRASIVES USING FUNCTIONALIZED DIAMONDS	United States	US	S/N: 09/576794 P/N: 6372002	23-May-00		
RD28183 [Filed]	METAL-INFILTRATED POLYCRYSTALLINE DIAMOND COMPOSITE TOOL FORMED FROM COATED DIAMOND PARTICLES	United States	US	S/N: 09/793312 P/N: 6541115	26-Feb-01		
RD28183 [Filed]	METAL-INFILTRATED POLYCRYSTALLINE DIAMOND COMPOSITE TOOL FORMED FROM COATED DIAMOND PARTICLES	United States	US	S/N: 10/255431	26-Sep-02		
RD28271 [Filed]	ABRASIVE DIAMOND COMPOSITE AND METHOD OF MAKING THEREOF	United States	US	S/N: 09/729525	4-Dec-00		
134047 [Filed]	METHOD TO STABILIZE FRAME SAW BLADES DURING CUT INITIATION	United States	US	134047 -1 Provisional [Filed] S/N 60/495,148	14-Aug-03		

Socket Number	Title	Filing Country	Country Code	Filing No./Type/S/N/P/N	Filing Date	Agent	Comments
[Awaiting]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH DISCRETE PARTICLE SIZE AREAS	United States	US	[Issued] S/N: 09/167,196 P/N: 6,187,068	[Awaiting] 10/6/98		
[Awaiting]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH IMPROVED IMPACT AND THERMAL STABILITY	United States	US	[Issued] S/N: 08/523,868 P/N: 6,645,617	[Awaiting] 9/6/95		
[Awaiting]	COMPOSITE POLYCRYSTALLINE COMPACT WITH IMPROVED FRACTURE AND DELAMINATION RESISTANCE	United States	US	[Issued] S/N: 08/415,693 P/N: 5,564,511	[Awaiting] 5/15/95		
[Awaiting]	HIGH PRESSURE/HIGH TEMPERATURE PISTON-CYLINDER APPARATUS	United States	US	[Issued] S/N: 07/792,716 P/N: 6,244,368	[Awaiting] 11/15/91		
[Awaiting]	HIGH PRESSURE REACTION VESSEL	United States	US	[Issued] S/N: 07/826,809 P/N: 6,236,674	[Awaiting] 1/28/92		
[Awaiting]	MODIFIED END ASSEMBLY FOR HIGH PRESSURE, HIGH TEMPERATURE REACTION VESSELS	United States	US	[Issued] S/N: 07/660,332 P/N: 5,190,734	[Awaiting] 2/22/91		
[Awaiting]	HIGH STRENGTH COMPOSITE COMPONENT AND METHOD OF FABRICATION	United States	US	[Issued] S/N: 07/163,725 P/N: 5,032,147	[Awaiting] 2/8/88		
[Awaiting]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH IMPROVED IMPACT RESISTANCE	United States	US	[Issued] S/N: 07/390,208 P/N: 5,011,515	[Awaiting] 8/7/89		
[Awaiting]	COMPOSITE COMPACT WITH A MORE THERMALLY STABLE CUTTING EDGE AND METHOD OF MANUFACTURING THE SAME	United States	US	[Issued] S/N: 07/390,204 P/N: 5,011,509	[Awaiting] 8/7/89		
[Awaiting]	COMPOSITE ABRASIVE COMPACT HAVING HIGH THERMAL STABILITY AND TRANSVERSE RUPTURE STRENGTH	United States	US	[Issued] S/N: 07/161,942 P/N: 4,871,377	[Awaiting] 2/3/88		
[Awaiting]	MATRIX CUTTER	United States	US	[Filed] S/N: 10/183,098	[Awaiting]		
[Awaiting]	ENHANCED METHOD FOR MAKING CVD DIAMOND	United States	US	[Filed] S/N: 10/161,266	[Awaiting] 6/3/02		

## **APPENDIX B**

Docet Number	Title	Filing Country	Country Code	Filing No./Type/SN/PN	Filing Date	Agent	Comments
112200 [Filed]	POLYCRYSTALLINE DIAMOND TIPS ON CUTTERS FOR HIGH SPEED DISC SAWHEADS FOR APPLICATION IN THE TIMBER INDUSTRY	United States	US	Provisional [Filed] S/N: 60/473511	23-May-03		
123571 [Filed]	AUTOCATALYTIC NICKEL-BORON COATING PROCESS FOR DIAMOND PARTICLES	United States	US	Provisional [Filed] S/N: 60/438957	9-Jan-03		
123989 [Filed]	LASER SUPPORT NICKEL-PLATING OF SUPERABRASIVE TOOL	United States	US	S/N: 10/172,034	14-Jun-02		
124337 [Filed]	CUTTING TOOL INSERT DESIGNED WITH MINIMIZED RESIDUAL TENSILE STRESSES	United States	US	Provisional [Filed] S/N: 60/395,182	10-Jul-02		
124337 [Filed]	CUTTING TOOL INSERT DESIGNED WITH MINIMIZED RESIDUAL TENSILE STRESSES	United States	US	S/N: 10/458903 P/N: 6666753	11-Jun-03		
125174 [Filed]	CUTTING TOOL WITH TWO-SLOPE PROFILE DESIGNED WITH MINIMIZED AXIAL SURFACE RESIDUAL STRESSES	United States	US	Provisional [Filed] S/N: 60/395,181	10-Jul-02		
125174 [Filed]	CUTTING TOOL WITH TWO-SLOPE PROFILE DESIGNED WITH MINIMIZED AXIAL SURFACE RESIDUAL STRESSES	United States	US	S/N: 10/455008	5-Jun-03		
125185 [Filed]	METHOD TO IMPROVE WEAR UNIFORMITY OF DIAMOND-CONTAINING SEGMENTS ON BLADES FOR STABBING GRANITE	United States	US	Provisional [Filed] S/N: 60/432222	10-Dec-02		
125185 [Filed]	METHOD TO IMPROVE WEAR UNIFORMITY OF DIAMOND-CONTAINING SEGMENTS ON BLADES FOR STABBING GRANITE	United States	US	S/N 10/731,066	9-Dec-03		
125877 [Filed]	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	United States	US	Provisional [Filed] S/N: 60/382209	21-May-02		
125877 [Filed]	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	United States	US	S/N: 10/437469	8-Jul-03		
125877 [Filed]	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	United States	US	125877 -7 Original [Filed]			
126337 [Filed]	SCRATCH-PROOF COMPOSITE WATCH GLASS	United States	US	Provisional [Filed] S/N: 60/399778	31-Jul-02		
126360 [Filed]	A SINTERED COMPACT FOR USE IN MACHINING CHEMICALLY REACTIVE MATERIALS	United States	US	Provisional [Filed] S/N: 60/391707	26-Jun-02		
126360 [Filed]	A SINTERED COMPACT FOR USE IN MACHINING CHEMICALLY REACTIVE MATERIALS	United States	US	S/N: 10/437516	14-May-03		
126855 [Filed]	METHOD FOR PRODUCING SINTERED POLYCRYSTALLING DIAMOND ON TUNGSTEN CARBIDE SUBSTRATES	United States	US	Provisional [Filed] S/N: 60/414987	1-Oct-02		
126855 [Filed]	METHOD FOR PRODUCING SINTERED POLYCRYSTALLING DIAMOND ON TUNGSTEN CARBIDE SUBSTRATES	United States	US	S/N 10/621,710	17-Jul-03		
129177 [Filed]	EXTRUSION AND COMPOUNDING EQUIPMENT COMPONENTS WITH IMPROVED WEAR RESISTANCE	United States	US	Provisional [Filed] S/N: 60/445631	7-Feb-03		
129178 [Filed]	IMPROVED WEAR RESISTANT COMPONENTS FOR SIZE REDUCTION AND SIZE CLASSIFICATION EQUIPMENT	United States	US	Provisional [Filed] S/N: 60/445615	7-Feb-03		

Cocket Number	Title	Filing Country	Country Code	Filing No./Type/SUPN	Filing Date	Agent	Comments
129182 [Filed]	WEAR CONTROL IN CONTINUOUS GLASS FIBER PLANTS	United States	US	Provisional [Filed] S/N: 60/445614	7-Feb-03		
129184 [Filed]	WEAR-RESISTANT DRILL BIT BODIES AND OTHER COMPONENTS FOR OIL AND GAS DRILLING	United States	US	Provisional [Filed] S/N: 60/445659	7-Feb-03		
129892 [Filed]	WEAR AND CORROSION RESISTANT ORIFICE AND RELATED COMPONENTS	United States	US	Provisional [Filed] S/N: 60/445633	7-Feb-03		
130335 [Filed]	ARTICLES COMPRISING AN ABRASION-RESISTANT RESINOUS SKIN INTEGRALLY BONDED WITH GRADED INTERFACE TO A RESINOUS CORE MATERIAL	United States	US	Provisional [Filed] S/N: 60/440455	15-Jan-03		
130335 [Filed]	ARTICLES COMPRISING AN ABRASION-RESISTANT RESINOUS SKIN INTEGRALLY BONDED WITH GRADED INTERFACE TO A RESINOUS CORE MATERIAL	United States	US	Provisional [Filed] S/N: 60/464517	22-Apr-03		
131068 [Filed]	WEAR AND CORROSION PREVENTION IN FIREARMS	United States	US	Provisional [Filed] S/N: 60/445609	7-Feb-03		
132255 [Filed]	AIRCRAFT ENGINE WEAR PARTS	United States	US	Provisional [Filed] S/N: 60/445632	7-Feb-03		
132270 [Filed]	CLIPPER BLADE SETS AND COMBS WITH IMPROVED WEAR RESISTANCE	United States	US	Provisional [Filed] S/N: 60/445610	7-Feb-03		
132875 [Filed]	SELECTION OF DIAMONDS GRIT MORPHOLOGY AND SIZE DISTRIBUTION FOR CMP CONDITIONER APPLICATION	United States	US	Provisional [Filed] S/N: 60/509,625	8-Oct-03		
133139 [Filed]	IMPROVED WEAR PERFORMANCE TOOLS FOR METAL, PLASTIC, CERAMIC AND COMPOSITE FORMING	United States	US	Provisional [Filed] S/N: 60/447808	14-Feb-03		
133140 [Filed]	PCD AND PCBN TOOL BLANKS WITH PREFIXED BRAZE ALLOY	United States	US	Provisional [Filed] S/N: 60/445613	7-Feb-03		
133141 [Filed]	COATINGS WITH HIGHLY TORTUOUS SURFACE TOPOGRAPHY FOR ABRASIVE/SUPERABRASIVE PARTICLES USED IN METALS/CERAMIC/POLYMER MATRIX COMPOSITES	United States	US	Provisional [Filed] S/N: 60/469285	8-May-03		
133615 [Filed]	IMPROVED TOOLS FOR MACHINING FIBER CEMENTS	United States	US	Provisional [Filed] S/N: 60/453,487	11-Mar-03		
133794 [Filed]	SUPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELIMINATE HOT-BRAZING IN TOOL FABRICATION	United States	US	Provisional [Filed] S/N: 60/470306	14-May-03		
133794 [Filed]	SUPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELIMINATE HOT-BRAZING IN TOOL FABRICATION	United States	US	S/N 10/690,761	22-Oct-03		
133920 [Filed]	DRILL BITS, ROUTER BITS, PROFILE CUTTERS, FILES, PLANING AND SAW BLADES WITH IMPROVED WEAR RESISTANCE	United States	US	Provisional [Filed] S/N: 60/469287	9-May-03		
133975 [Filed]	METHOD TO IMPROVE TOOL INTEGRITY WHEN CUTTING STONE	United States	US	Provisional [Filed] S/N 60/495,448	14-Aug-03		
135143 [Filed]	A METHOD OF MAKING ABRASIVE TOOLS FROM BI-MODAL DIAMOND OR CUBIC BORON NITRIDE POWDER	United States	US	Provisional [Filed] S/N: 60/467311	2-May-03		



Doc#	Doc# Number	Title	Filing Country	Country Code	Filing No./Type/S/N/P/N	Filing Date	Agent	Comments
136255	[Filed]	SINTERED COMPACT FOR USE IN MACHINING VARIOUS CAST IRON MATERIALS	United States	US	Provisional (P/N) S/N 60/526576	3-Dec-03		
145361	[Filed]	COMPRESSION CONTAINER FOR POLYCRYSTALLINE WIRE DIE	United States	US	Provisional (P/N) S/N 60/528372	10-Dec-03		
60SD10	[Filed]	DIAMOND AND CBN ABRASIVE COMPACTS USING SIZE SELECTIVE ABRASIVE PARTICLE LAYERS	United States	US	S/N: 219289 P/N: 4311490	7-Sep-88		
60SD147	[Filed]	RE-SINTERED BORON-RICH POLYCRYSTALLINE CUBIC BORON NITRIDE AND MET HOD FOR MAKING SAME	United States	US	S/N: 823893 P/N: 4673414	29-Jan-86		
60SD184	[Filed]	GANG SAW FOR CUTTING BLOCKS OF STONE	United States	US	S/N: 515448 P/N: 4498450	20-Jul-83		
60SD240	[Filed]	PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	US	S/N: 542081 P/N: 4525179	14-Oct-83		
60SD242	[Filed]	PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	US	S/N: 488003 P/N: 4536442	2-May-83		
60SD245	[Filed]	MERGED WITH 60-SD-259 FOR FILING	United States	US	S/N: 818850 P/N: 4797326	14-Jan-86		
60SD24559	[Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS	United States	US	S/N: 818850 P/N: 4797326	14-Jan-86		
60SD246	[Filed]	GANG SAW FOR CUTTING BLOCKS OF STONE	United States	US	S/N: 515448 P/N: 4498450	20-Jul-83		
60SD249	[Filed]	SWEEP THROUGH PROCESS FOR MAKING POLYCRYSTALLINE COMPACTS	United States	US	S/N: 536221 P/N: 4518659	23-Sep-83		
60SD251	[Filed]	IMPROVED PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	US	S/N: 552081 P/N: 4525179	14-Oct-83		
60SD254	[Filed]	COATED OXIDATION-RESISTANT POROUS ABRASIVE COMPACT AND METHOD FOR MAKING SAME	United States	US	S/N: 06/920041 P/N: 4738689	16-Oct-86		
60SD256	[Filed]	POLYCRYSTALLINE SANDWICH COMPACTS AND METHOD FOR MAKING SAME	United States	US	S/N: 07/277875 P/N: 5009673	30-Nov-88		
60SD257	[Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	United States	US	S/N: 697668 P/N: 4810447	4-Feb-85		
60SD257	[Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	United States	US	S/N: 8491 P/N: 4832708	27-Jan-87		
60SD261	[Filed]	PROCESS FOR PREPARING POLYCRYSTALLINE CBN CERAMIC MASSES AND RESUL TING PRODUCT	United States	US	S/N: 7366943 P/N: 5043120	16-Jun-89		
60SD262	[Filed]	BRAZED COMPOSITE COMPACT IMPLEMENTS	United States	US	S/N: 624064 P/N: 4527998	25-Jun-84		
60SD303	[Filed]	REFRACTORY METAL OXIDE COATED ABRASIVES AND GRINDING WHEELS MADE THEREFROM	United States	US	S/N: 07/358728 P/N: 4951427	30-May-89		
60SD305	[Filed]	STUD-MOUNTED POLYCRYSTALLINE TOOTHED DIAMOND CUTTING BLANKS	United States	US	S/N: 71/92872 P/N: D317010	11-May-88		
60SD308	[Filed]	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	United States	US	S/N: 7365268 P/N: 4931363	12-Jun-89		

Docket Number	Title	Filing Country	Country Code	Filing No./Type/S/N/P/N	Filing Date	Agent	Comments
60SD30811 (Filed)	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	United States	US	S/N: 158575 P/N: 4899922	22-Feb-88		
60SD317 (Filed)	COATED OXIDATION-RESISTANT POROUS ABRASIVE COMPACT AND METHOD FOR MAKING SAME	United States	US	S/N: 920041 P/N: 47386889	16-Oct-86		
60SD318 (Filed)	BONDING OF THERMALLY STABLE ABRASIVE COMPACTS TO CARBIDE SUPPORTS	United States	US	S/N: 07/158336 P/N: 4850523	22-Feb-88		
60SD327 (Filed)	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	United States	US	S/N: 008491 P/N: 4832708	29-Jan-87		
60SD33 (Filed)	OPTICAL WINDOWS MADE OF POLYCRYSTALLINE ADAMANTANE BORON NITRIDE OR DIAMOND	United States	US	S/N: 488003 P/N: 4536442	2-May-83		
60SD332 (Filed)	METHOD OF MAKING DIAMOND TOOL	United States	US	S/N: 713966 P/N: 4661180	25-Mar-85		
60SD333 (Filed)	POLYCRYSTALLINE ABRASIVE GRIT	United States	US	S/N: 153466 P/N: 4828582	3-Feb-88		
60SD333V (Filed)	POLYCRYSTALLINE ABRASIVE GRIT	United States	US	S/N: 793462 P/N: 4828582	1-Sep-88		
60SD358 (Filed)	PRODUCTS AND PROCESS FOR MAKING MULTIGRAIN ABRASIVE COMPACTS	United States	US	S/N: 07/669259 P/N: 5211726	14-Mar-91		
60SD364 (Filed)	MULTIGRAIN ABRASIVE PARTICLES	United States	US	S/N: 07/669124 P/N: 5106392	14-Mar-91		
60SD367 (Filed)	CHIP BREAKER FOR POLYCRYSTALLINE CBN AND DIAMOND COMPACTS	United States	US	S/N: 7/429661 P/N: 5026960	31-Oct-89		
60SD368 (Filed)	DIAMOND AND CUBIC BORON NITRIDE	United States	US	S/N: 156272 P/N: 4807402	12-Feb-88		
60SD389 (Filed)	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANKS	United States	US	S/N: 328347 P/N: D330206	24-Mar-89		
60SD390 (Filed)	RECIPROCATING POINT ROTARY DIAMOND	United States	US	S/N: 07/635082 P/N: 5172681	28-Dec-90		
60SD401 (Filed)	INTERLOCKING MOUNTED ABRASIVE COMPACTS	United States	US	S/N: 332814 P/N: D325226	3-Apr-89		
60SD412 (Filed)	SAWBLADE SEGMENTS UTILIZING POLYCRYSTALLINE DIAMOND GRIT	United States	US	S/N: 262405 P/N: 4883500	25-Oct-88		
60SD419 (Filed)	SUPPORTED THERMALLY STABLE CUBIC BORON NITRIDE TOOLS BLANKS AND METHOD FOR MAKING THE SAME	United States	US	S/N: 7/394349 P/N: 4985050	15-Aug-89		
60SD428 (Filed)	DIAMOND COMPACTS FOR ROCK DRILLING AND MACHINING	United States	US	S/N: 7/420191 P/N: 5022894	12-Oct-89		
60SD437 (Filed)	METHOD FOR PRODUCING POLYCRYSTALLINE COMPACT TOOL BLANKS WITH FLAT CARBIDE SUPPORT/DIAMOND OR CBN INTERFACES	United States	US	S/N: 331928 P/N: 4954139	31-Mar-89		
60SD439 (Filed)	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANK	United States	US	S/N: 328348 P/N: D324527	24-Mar-89		
60SD439 (Filed)	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANK	United States	US	S/N: 7/328348 P/N: 324527	24-Mar-89		
60SD440 (Filed)	INTERLOCKING MOUNTED ABRASIVE COMPACTS	United States	US	S/N: 332828 P/N: D324056	3-Apr-89		
60SD455 (Filed)	CBN/CBN COMPOSITE MASSES AND THEIR PREPARATION	United States	US	S/N: 7/630916 P/N: 5106792	20-Dec-90		
60SD458 (Filed)	MULTI-LAYER METAL COATED DIAMOND ABRASIVES FOR SINTERED METAL BONDED TOOLS	United States	US	S/N: 07/857132 P/N: 5250086	25-Mar-92		

Docket Number	Title	Filing Country	Country Code	Filing No./Type/SN/PN	Filing Date	Agent	Comments
60SD461 [Filed]	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	United States	US	S/N: 365268 P/N: 4931363	12-Jun-89		
60SD469 [Filed]	POLYCRYSTALLINE CVD DIAMOND SUBSTRATE FOR SINGLE CRYSTAL EPITAXIAL GROWTH OF SEMICONDUCTORS FORMERLY	United States	US	S/N: 07/479486 P/N: 4981818	13-Feb-90		
60SD493 [Filed]	CVD DIAMOND COATED ANNULUS COMPONENTS AND THEIR METHOD OF FABRICATION	United States	US	S/N: 08/127964 P/N: 5508071	28-Sep-93		
60SD498 [Filed]	CVD DIAMOND FOR COATING TWIST DRILLS	United States	US	S/N: 07/563367 P/N: 5096736	7-Aug-90		
60SD498 [Filed]	CVD DIAMOND FOR COATING TWIST DRILLS	United States	US	S/N: 07/929239 P/N: 5256206	14-Aug-92		
60SD499 [Filed]	CVD DIAMOND COATED TWIST DRILLS	United States	US	S/N: 07/555879 P/N: 5022801	18-Jul-90		
60SD504 [Filed]	USING THERMALLY-STABLE DIAMOND OR CBN COMPACTS AS TIPS FOR ROTARY DRILLS	United States	US	S/N: 07/577379 P/N: 5273557	4-Sep-90		
60SD506 [Filed]	ISOTOPICALLY PURE SINGLE CRYSTAL EPITAXIAL DIAMOND FILMS AND THEIR PREPARATION	United States	US	S/N: 07/547651 P/N: 5360479	2-Jul-90		
60SD518 [Filed]	THERMALLY STABLE DENSE ELECTRICALLY CONDUCTIVE DIAMOND COMPACTS	United States	US	S/N: 07/773461 P/N: 5266236	9-Oct-91		
60SD528 [Filed]	MULTILAYER CVD DIAMOND FILMS	United States	US	S/N: 08/400555 P/N: 5491002	8-Mar-95		
60SD567 [Filed]	CHEMICALLY BONDED ADHERENT COATING FOR ABRASIVE COMPACTS AND METHOD FOR MAKING SAME	United States	US	S/N: 07/710725 P/N: 5173091	4-Jun-91		
60SD576 [Filed]	SMOOTH SURFACE CVD DIAMOND FILMS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 07/967461 P/N: 5439492	28-Oct-92		
60SD576 [Filed]	SMOOTH SURFACE CVD DIAMOND FILMS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 08/220946 P/N: 5523121	31-Mar-94		
60SD577 [Filed]	METHOD FOR PRODUCING SAME	United States	US	S/N: 08/073991 P/N: 5380557	3-Jun-93		
60SD578 [Filed]	CARBON FLUORIDE COMPOSITIONS	United States	US	S/N: 07/815478 P/N: 5176803	4-Mar-92		
60SD581 [Filed]	METHOD FOR MAKING SMOOTH SUBSTRATE MANDRELS	United States	US	S/N: 08/138888 P/N: 5387447	19-Oct-93		
60SD582 [Filed]	METHOD FOR PRODUCING UNIFORM CYLINDRICAL TUBES OF CVD DIAMOND	United States	US	S/N: 08/032750 P/N: 5306318	17-Mar-93		
60SD583 [Filed]	PROCESS FOR MAKING COATED ABRASIVES FOR GRINDING WHEELS	United States	US	S/N: 08/005951 P/N: 5300129	19-Jan-93		
60SD583 [Filed]	COATING FOR IMPROVED RETENTION OF CBN IN VITREOUS BOND MATRICES	United States	US	S/N: 07/762999 P/N: 5143523	20-Sep-91		
60SD584 [Filed]	DUAL-COATED DIAMOND PELLETS AND SAW BLADE SEGMENTS MADE THEREWITH	United States	US	S/N: 07/995229 P/N: 5985228	22-Dec-92		
60SD615 [Filed]	METHOD FOR CONTROLLING THE PARTICLE SIZE DISTRIBUTION IN THE PRODUCTION OF MULTICRYSTALLINE CUBIC BORON NITRIDE	United States	US	S/N: 07/857192 P/N: 5405573	4-May-92		
60SD628 [Filed]	DIAMOND PELLETS AND SAW BLADE SEGMENTS MADE THEREWITH	United States	US	S/N: 07/857139 P/N: 5232469	25-Mar-92		
60SD633 [Filed]	MULTILAYER METAL COATED DIAMOND ABRASIVES WITH AN ELECTROLESSLY DEPOSITED METAL LAYER	United States	US				

Object Number	Title	Filing Country	Country Code	Filing No./Type/SN/PN	Filing Date	Agent	Comments
60SD643 [Filed]	SUPPORTED POLYCRYSTALLINE DIAMOND COMPACT HAVING A CUBIC BORON NITRIDE INTERLAYER FOR IMPROVED PHYSICAL PROPERTIES	United States	US	S/N: 08/322841 P/N: 5510193	13-Oct-94		
60SD643 [Filed]	SUPPORTED POLYCRYSTALLINE DIAMOND COMPACT HAVING A CUBIC BORON NITRIDE INTERLAYER FOR IMPROVED PHYSICAL PROPERTIES	United States	US	S/N: 08/595715 P/N: 5603070	2-Feb-96		
60SD645 [Filed]	PREPARATION OF THIN FREE-STANDING DIAMOND FILMS	United States	US	S/N: 08/369047 P/N: 5490963	5-Jan-95		
60SD647 [Filed]	FINE GRAIN DIAMOND WORKPIECES	United States	US	S/N: 07/967461 P/N: 5439492	28-Oct-92		
60SD652 [Filed]	ABRASIVE TOOL INSERT SEE CIP 60SD00658	United States	US	S/N: 08/095631 P/N: 5484330	21-Jul-93		
60SD652 [Filed]	ABRASIVE TOOL INSERT SEE CIP 60SD00658	United States	US	S/N: 08/271307 P/N: 5486137	6-Jul-94		
60SD653 [Filed]	REDUCTION OF STRESSES IN THE POLYCRYSTALLINE ABRASIVE LAYER OF A COMPOSITE COMPACT IN THE IN SITU BONDED CARBIDE/CARBIDE SUPPORT	United States	US	S/N: 08/489877 P/N: 5560754	13-Jun-95		
60SD658 [Filed]	ABRASIVE TOOL INSERT SEE CIP	United States	US	S/N: 08/105523 P/N: 5494477	11-Aug-93		
60SD660 [Filed]	PROCESS FOR PREPARING POLYCRYSTALLINE CBN CERAMIC MASSES AND RESULTING PRODUCT	United States	US	S/N: 07/985500 P/N: 5320988	1-Dec-92		
60SD662 [Filed]	METHOD OF SEPARATION OF PIECES FROM SUPER HARD MATERIAL BY PARTIAL LASER CUT AND PRESSURE CLEAVAGE	United States	US	S/N: 08/060459 P/N: 5387776	11-May-93		
60SD664 [Filed]	CLASSIFYING AND SORTING CRYSTALLINE OBJECTS	United States	US	S/N: 08/400556 P/N: 5544254	8-Mar-95		
60SD665 [Filed]	MEASURING THE STRENGTH OF ABRASIVE GRAINS	United States	US	S/N: 08/016638 P/N: 5392633	12-Feb-93		
60SD669 [Filed]	PROCESS FOR MAKING COATED ABRASIVES FOR GRINDING WHEELS	United States	US	S/N: 08/032750 P/N: 5306318	17-Mar-93		
60SD690 [Filed]	MULTIPLE GRAINED DIAMOND WIRE DIE	United States	US	S/N: 08/143802 P/N: 5361621	27-Oct-93		
60SD691 [Filed]	OPTICALLY IMPROVED DIAMOND WIRE DIE	United States	US	S/N: 08/148803 P/N: 5465603	5-Nov-93		
60SD693 [Filed]	ABRASIVE COMPACT WITH IMPROVED PROPERTIES	United States	US	S/N: 08/571312 P/N: 5655996	12-Dec-95		
60SD693 [Filed]	ABRASIVE COMPACT WITH IMPROVED PROPERTIES	United States	US	S/N: 09/087776 P/N: 6132675	29-May-98		
60SD694 [Filed]	DIAMOND WIRE DIE	United States	US	S/N: 08/121014 P/N: 5363687	14-Sep-93		
60SD696 [Filed]	ABRASIVE TOOL INSERT	United States	US	S/N: 08/271307 P/N: 5486137	6-Jul-94		
60SD698 [Filed]	CVD DIAMOND COATING ANNULUS COMPONENTS AND METHOD OF THEIR FABRICATION	United States	US	S/N: 08/127964 P/N: 5508071	28-Sep-93		
60SD701 [Filed]	DIAMOND WIRE DIE WITH POSITIONED OPENING	United States	US	S/N: 08/144168 P/N: 5377522	27-Oct-93		
60SD708 [Filed]	A METHOD FOR MANUFACTURING A DIAMOND ARTICLE	United States	US	S/N: 08/310449 P/N: 5528805	22-Sep-94		
60SD709 [Filed]	FABRICATION OF AIR BRAZABLE DIAMOND TOOL INSERTS AND INSERTS FABRICATED THEREBY	United States	US	S/N: 08/286076 P/N: 5500248	4-Aug-94		
60SD709 [Filed]	FABRICATION OF AIR BRAZABLE DIAMOND TOOL INSERTS AND INSERTS FABRICATED THEREBY	United States	US	S/N: 08/583360 P/N: 5647878	5-Jan-96		

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60SD712 [Filed]	METHOD FOR ENHANCING THE TOUGHNESS OF CVD DIAMOND	United States	US	S/N: 08/238543 P/N: 5451430	5-May-94		
60SD713 [Filed]	METHOD FOR ENHANCING THE TOUGHNESS OF CVD DIAMOND	United States	US	S/N: 08/654815 P/N: 5672395	29-May-96		
60SD714 [Filed]	ANULAR DIAMOND BODIES	United States	US	S/N: 08/311658 P/N: 5551277	23-Sep-94		
60SD715 [Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS HAVING IMPROVED PHYSICAL PROPER TIES AND METHOD FOR MAKING SAME	United States	US	S/N: 08/239156 P/N: 5512235	6-May-94		
60SD715 [Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS HAVING IMPROVED PHYSICAL PROPER TIES AND METHOD FOR MAKING SAME	United States	US	S/N: 08/616997 P/N: 5773140	14-Mar-96		
60SD721 [Filed]	WIRE DRAWING DIE HAVING IMPROVED PHYSICAL PROPERTIES NO DIVISIONAL DUE PER GLL	United States	US	S/N: 08/412050 P/N: 5660075	28-Mar-95		
60SD726 [Filed]	A FINE GRAIN DIAMOND TOOL AND METHOD OF MANUFACTURE	United States	US	S/N: 08/551593 P/N: 5660936	1-Nov-95		
60SD728 [Filed]	PREPARATION OF THIN FREE-STANDING DIAMOND FILMS	United States	US	S/N: 08/369047 P/N: 5490963	5-Jan-95		
60SD731 [Filed]	CLASSIFYING AND SORTING CRYSTALLINE OBJECTS	United States	US	S/N: 08/400556 P/N: 5544254	8-Mar-95		
60SD732 [Filed]	MULTILAYER CVD DIAMOND FILMS	United States	US	S/N: 08/400555 P/N: 5491002	8-Mar-95		
60SD745 [Filed]	METHOD FOR PRODUCING UNIFORMLY HIGH QUALITY ABRASIVE COMPACTS	United States	US	S/N: 08/555672 P/N: 5669944	13-Nov-95		
60SD749 [Filed]	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH REDUCED FAILURE DURING BRAZING	United States	US	S/N: 08/975028 P/N: 6042463	20-Nov-97		
60SD750 [Filed]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT NO DIV DUE PER EPA 5/197	United States	US	S/N: 08/591879 P/N: 5662720	26-Jan-96		
60SD752 [Filed]	POLYCRYSTALLINE DIAMOND COMPACT (PDC) CUTTER WITH IMPROVED CUTTING CAPABILITY	United States	US	S/N: 08/975429 P/N: 6045440	20-Nov-97		
60SD753 [Filed]	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH IMPROVED CUTTING BY PREVENTING CHIP BUILD UP	United States	US	S/N: 09/131460 P/N: 6196910	10-Aug-98		
60SD760A [Filed]	POLYCRYSTALLINE DIAMOND CUTTING ELEMENT	United States	US	S/N: 08/777213 P/N: 5848657	27-Dec-96		
60SD768 [Filed]	AN IMPROVED ABRASIVE CUTTING ELEMENT AND DRILL BIT	United States	US	S/N: 08/611896 P/N: 5743346	6-Mar-96		
60SD769 [Filed]	POLYCRYSTALLINE DIAMOND CUTTING ELEMENT WITH DIAMOND RIDGE PATTERN	United States	US	S/N: 08/777222 P/N: 5829541	27-Dec-96		
60SD772 [Filed]	COATED CBN POLYCRYSTALLINE SUPERABRASIVE TOOLS	United States	US	S/N: 08/779417	7-Jan-97		
60SD772 [Filed]	COATED CBN POLYCRYSTALLINE SUPERABRASIVE TOOLS	United States	US	S/N: 10/411471	8-Apr-03		
60SD774 [Filed]	METHOD FOR PRODUCING CUBIC BORON NITRIDE USING MELAMINE AS A CATALYST	United States	US	S/N: 09/072144 P/N: 5869015	4-May-98		
60SD784 [Filed]	SYNTHETIC GASKET MATERIAL FOR USE IN HIGH PRESSURE PRESSES TRANS FMMEGADIAMOND	United States	US	S/N: 08/874769 P/N: 5858525	13-Jun-97		

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60SD785 [Filed]	THERMALLY-DIFFUSED BORON DIAMOND AND ITS PRODUCTION	United States	US	S/N: 09/561128 P/N: 6322891	28-Apr-00		
60SD787 [Filed]	SUPERABRASIVE CUTTING ELEMENT WITH ENHANCED STIFFNESS, THERMAL CONDUCTIVITY AND CUTTING EFFICIENCY	United States	US	S/N: 08/783171 P/N: 6009963	14-Jan-97		
60SD788 [Filed]	WIRE DRAWING DIE WITH NON-CYLINDRICAL INTERFACE CONFIGURATION FOR REDUCING STRESSES	United States	US	S/N: 08/950004 P/N: 5957005	14-Oct-97		
60SD788 [Filed]	WIRE DRAWING DIE WITH NON-CYLINDRICAL INTERFACE CONFIGURATION FOR REDUCING STRESSES	United States	US	S/N: 09/358271 P/N: 6314836	21-Jul-99		
60SD794 [Filed]	AXISYMMETRIC CUTTING ELEMENT	United States	US	S/N: 09/492095 P/N: 6260640	27-Jan-00		
60SD795 [Filed]	SHAPED POLYCRYSTALLINE CUTTER ELEMENTS	United States	US	S/N: 09/072471 P/N: 6102143	4-May-98		
60SD796 [Filed]	TITANIUM CHROMIUM ALLOY COATED DIAMOND CRYSTALS FOR USE IN SAW BLADE SEGMENTS AND METHOD FOR THEIR PRODUCTION	United States	US	S/N: 09/570957 P/N: 6319608	15-May-00		
60SD802 [Filed]	HIGH PRESSURE/HIGH TEMPERATURE PRODUCTION OF COLORLESS AND FANCY COLORED DIAMONDS	United States	US	S/N: 10/338136	8-Jan-03		
60SD805 [Filed]	HIGH PRESSURE APPARATUS HAVING TRANSITION SLOPE BINDING RING THAT MITIGATES TENSILE STRESSES AND CORRESPONDING METHOD	United States	US	S/N: 09/740777 P/N: 6375446	19-Dec-00		
60SD806 [Filed]	LOW OXYGEN CUBIC BORON NITRIDE	United States	US	S/N: 10/001573	2-Nov-01		
60SD811 [Filed]	CRYSTAL MIXING FOR LOW POWER GRINDING	United States	US	S/N: 09/988244	16-Nov-01		
60SD812 [Filed]	METHOD AND APPARATUS FOR CUTTING GRANITE	United States	US	S/N: 60/139654	17-Jun-99		
60SD812 [Filed]	METHOD AND APPARATUS FOR CUTTING GRANITE	United States	US	S/N: 10/014547	14-Dec-01		
60SD817 [Filed]	HIGH PRESSURE/HIGH TEMPERATURE PRODUCTION OF COLORED DIAMONDS	United States	US	S/N: 10/069362	25-Aug-00		
60SD820 [Filed]	SURFACE MODIFICATION OF COATED ABRASIVES TO ENHANCE THEIR ADHESION IN RESIN BOND TOOLS	United States	US	S/N: 09/901159	9-Jul-01		
60SD827 [Filed]	ABRASIVE TOOL INSERTS AND THEIR PRODUCTION	United States	US	S/N: 09/845540 P/N: 6315652	30-Apr-01		
60SD831 [Filed]	HIGH PRESSURE AND HIGH TEMPERATURE PRODUCTION OF DIAMONDS	United States	US	S/N: 60/224485	11-Aug-00		
60SD831 [Filed]	HIGH PRESSURE AND HIGH TEMPERATURE PRODUCTION OF DIAMONDS	United States	US	S/N: 10/344249	11-Feb-03		
60SD838 [Filed]	SILVER-COATED ABRASIVES, TOOLS CONTAINING SILVER-COATED ABRASIVES, AND APPLICATIONS OF THESE TOOLS	United States	US	S/N: 09/776141 P/N: 6666763	2-Feb-01		
60SD839 [Filed]	JADEITE AND ITS PRODUCTION	United States	US	S/N: 09/737667	15-Dec-00		
60SD839 [Filed]	JADEITE AND ITS PRODUCTION	United States	US	S/N: 09/799192	5-Mar-01		
60SD845 [Filed]	BORON DOPED BLUE DIAMOND AND ITS PRODUCTION	United States	US	S/N: 09/935957	23-Aug-01		

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60SD845 [Filed]	BORON DOPED BLUE DIAMOND AND ITS PRODUCTION	United States	US	S/N: 10/262784	2-Oct-02		
60SD851 [Filed]	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND USE THEREOF IN VITREOUS MATRIX COMPOSITES	United States	US	S/N: 09/987863 P/N: 6475254	16-Nov-01		
60SD851 [Filed]	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND USE THEREOF IN VITREOUS MATRIX COMPOSITES	United States	US	S/N: 10/174914 P/N: 6596040	19-Jun-02		
60SD852 [Filed]	HIGH PRESSURE PRODUCTION OF PEROVSKITES	United States	US	S/N: 09/831312	16-Aug-01		
RD14877 [Filed]	SINTERED POLYCRYSTALLINE DIAMOND COMPACT CONSTRUCTION WITH INTEGRAL HEAT SINK	United States	US	S/N: 652242 P/N: 4605343	20-Sep-84		
RD16334 [Filed]	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	US	S/N: 830414 P/N: 4690691	13-Feb-86		
RD17340 [Filed]	DIAMOND CRYSTAL GROWTH PROCESS	United States	US	S/N: 07/332914 P/N: 5261959	4-Apr-89		
RD17340 [Filed]	DIAMOND CRYSTAL GROWTH PROCESS	United States	US	S/N: 08/150833 P/N: 5516554	10-Nov-93		
RD18037 [Filed]	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	US	S/N: 48176 P/N: 4797138	11-May-87		
RD18037 [Filed]	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	US	S/N: 07/048176 P/N: 4797138	11-May-87		
RD18116 [Filed]	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 07/744815 P/N: 5310447	12-Aug-91		
RD18402 [Filed]	EXCIMER LASER PATTERNING OF A NOVEL RESIST	United States	US	S/N: 224416 P/N: 4842677	26-Jul-88		
RD18693 [Filed]	METHOD FOR IMPROVING ADHESION OF SYNTHETIC DIAMOND COATINGS TO SUBSTRATES	United States	US	S/N: 07/653556 P/N: 5190823	11-Feb-91		
RD19369 [Filed]	TRANSPARENT DIAMOND FILMS AND METHOD FOR MAKING	United States	US	S/N: 07/407179 P/N: 5110579	14-Sep-89		
RD19369 [Filed]	TRANSPARENT DIAMOND FILMS AND METHOD FOR MAKING	United States	US	S/N: 07/859753 P/N: 5273731	30-Mar-92		
RD19567 [Filed]	FREE STANDING DIAMOND SHEET AND METHOD AND APPARATUS FOR MAKING SAME	United States	US	S/N: 07/537963 P/N: 5464071	13-Jun-90		
RD20142 [Filed]	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 08/163608 P/N: 5419276	6-Dec-93		
RD20142 [Filed]	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 08/368732 P/N: 5540904	4-Jan-95		
RD20790 [Filed]	APPARATUS FOR PRODUCING DIAMONDS BY CHEMICAL VAPOR DEPOSITION AND ARTICLES PRODUCED THEREFROM	United States	US	S/N: 07/948077 P/N: 5204145	21-Sep-92		
RD20983 [Inactivated]	ARTIFICIAL POLYMER LATTICES IN CORE-SHELL FORM AND METHOD OF PREPARATION	United States	US	S/N: 07/980,444 P/N: 5356955	23-Nov-93		
RD21018 [Filed]	METHOD FOR IMPROVING ADHESION OF SYNTHETIC DIAMOND COATINGS TO SUBSTRATES	United States	US	S/N: 07/653556 P/N: 5190823	11-Feb-91		
RD21033 [Filed]	IMPROVED METHOD OF APPLYING METAL COATINGS ON DIAMOND AND ARTICLES MADE THEREFROM	United States	US	S/N: 07/722575 P/N: 5190796	27-Jun-91		

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	RD21034 [Inactivated]	METHOD OF PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION AND THE SUPPORT MANDRELS USED THEREIN	United States	US	S/N: 08/119448 P/N: 5869133	9-Sep-93		
	RD21356 [Filed]	METHOD FOR PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION	United States	US	S/N: 07/845992 P/N: 5175929	4-Mar-92		
	RD21493 [Filed]	METHOD OF APPLYING METAL COATING ON CUBIC BORON NITRIDE AND ARTICLES MADE THEREFROM	United States	US	S/N: 07/738758 P/N: 5188643	1-Aug-91		
	RD21661 [Filed]	PREHEATER FOR CVD DIAMOND REACTOR	United States	US	S/N: 08/306077 P/N: 5479874	14-Sep-94		
	RD21796 [Filed]	SUPPRESSION OF GRAPHITE FORMATION DURING LASER ETCHING OF DIAMOND	United States	US	S/N: 08/248896 P/N: 5419798	25-May-94		
	RD22021 [Filed]	SUBSTANTIALLY TRANSPARENT FREE STANDING DIAMOND FILMS	United States	US	S/N: 07/859753 P/N: 5273731	30-Mar-92		
	RD22055 [Filed]	METHOD FOR DETERMINING THICKNESS OF CHEMICAL VAPOR DEPOSITED LAYERS	United States	US	S/N: 07/991798 P/N: 5300313	16-Dec-92		
	RD22294 [Filed]	PROCESS FOR MAKING METALLIZED VIAS IN DIAMOND SUBSTRATES	United States	US	S/N: 08/188877 P/N: 5382758	31-Jan-94		
	RD22486 [Filed]	APPARATUS FOR PRODUCING DIAMOND BY CHEMICAL VAPOR DEPOSITION AND ARTICLES PRODUCED THEREFROM	United States	US	S/N: 07/948077 P/N: 5204145	21-Sep-92		
	RD22514 [Filed]	APPARATUS FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND INCLUDING GRAPHITE SUBSTRATE HOLDERS	United States	US	S/N: 08/096392 P/N: 5391229	26-Jul-93		
	RD22530 [Filed]	APPARATUS FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND INCLUDING THERMAL SPREADER	United States	US	S/N: 08/172797 P/N: 5397396	27-Dec-93		
	RD22721 [Filed]	POLYCRYSTALLINE CARBON CONVERSION	United States	US	S/N: 09/206721 P/N: 6126741	7-Dec-98		
	RD22800 [Filed]	TUNGSTEN METALLIZATION OF CVD DIAMOND	United States	US	S/N: 08/100406 P/N: 5346719	2-Aug-93		
	RD22976 [Filed]	METHOD FOR MAKING HIGH THERMAL CONDUCTING DIAMOND	United States	US	S/N: 08/316995 P/N: 5445106	3-Oct-94		
	RD22980 [Filed]	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/281358 P/N: 5424096	13-Jun-94		
	RD22980 [Filed]	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/364568 P/N: 5437728	27-Dec-94		
	RD23162 [Filed]	METHOD OF PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION AND THE SUPPORT MANDRELS USED THEREIN	United States	US	S/N: 08/119448 P/N: 5869133	9-Sep-93		
	RD23356 [Filed]	CHEMICAL VAPOR DEPOSITION OF POLYCRYSTALLINE DIAMOND WITH ORIENTATION AND GROWTH FACETS	United States	US	S/N: 08/264268 P/N: 5437891	23-Jun-94		
	RD23427 [Filed]	PROCESS FOR MAKING METALLIZED VIAS IN DIAMOND SUBSTRATES	United States	US	S/N: 08/188877 P/N: 5382758	31-Jan-94		
	RD23481 [Filed]	DIAMOND OPTICAL PLATE BEAMSPLITTER	United States	US	S/N: 08/538656 P/N: 5706135	3-Oct-95		
	RD23502 [Filed]	APPARATUS FOR ANNEALING DIAMOND WATER JET MIXING TUBES	United States	US	S/N: 08/267181 P/N: 5468934	15-Jun-94		
	RD23503 [Filed]	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/261358 P/N: 5424096	13-Jun-94		
	RD23511 [Filed]	ARTICLES HAVING THERMAL CONDUCTORS OF GRAPHITE	United States	US	S/N: 08/262796 P/N: 5494753	20-Jun-94		
	RD23716 [Filed]	SUPPRESSION OF GRAPHITE FORMATION DURING LASER ETCHING OF DIAMOND	United States	US	S/N: 08/248896 P/N: 5419798	25-May-94		



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RD23717 [Filed]	ULTRAFAST OPTICAL MODULATOR	United States	US	S/N: 08/605417 P/N: 5659415	22-Feb-96		
RD23819 [Filed]	FABRICATION OF BRAZABLE IN AIR TOOL INSERTS AND INSERTS FABRICATED THEREBY	United States	US	S/N: 08/350572 P/N: 5626909	7-Dec-94		
RD23927 [Filed]	COMPOSITE DIAMOND WIRE DIE	United States	US	S/N: 08/499238 P/N: 5634369	7-Jul-95		
RD23948 [Filed]	DIAMOND FILM STRUCTURE WITH HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 08/316998 P/N: 5525815	3-Oct-94		
RD24002 [Filed]	SYNTHETIC DIAMOND PRODUCT	United States	US	S/N: 08/411181 P/N: 5503104	27-Mar-95		
RD24111 [Filed]	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/384568 P/N: 5437728	27-Dec-94		
RD24416 [Filed]	COMPOSITE DIAMOND WIRE DIE	United States	US	S/N: 08/499237 P/N: 5636545	7-Jul-95		
RD24447 [Filed]	COMPOSITE DIAMOND WIRE DIE	United States	US	S/N: 08/499502 P/N: 5634370	7-Jul-95		
RD24450 [Filed]	ELECTRONIC APPARATUS WITH COMPLIANT METAL CHIP-SUBSTRATE BONDING LAYER(S)	United States	US	S/N: 08/457551 P/N: 5567985	1-Jun-95		
RD25160 [Filed]	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 09/201384 P/N: 6152977	30-Nov-98		
RD25160 [Filed]	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 09/484389 P/N: 6350191	14-Jan-00		
RD25160 [Filed]	SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 09/484392 P/N: 6406776	14-Jan-00		
RD25308 [Filed]	SURFACE ENRICHED DIAMOND AND METHOD OF MAKING	United States	US	S/N: 09/783441	14-Feb-01		
RD27003 [Filed]	DIAMOND MICRO SLURRY FOR CHEMICAL-MECHANICAL PLANARIZATION OF SEMI CONDUCTOR WAFERS	United States	US	S/N: 09/472104 P/N: 6258721	27-Dec-99		
RD27003 [Filed]	DIAMOND MICRO SLURRY FOR CHEMICAL-MECHANICAL PLANARIZATION OF SEMI CONDUCTOR WAFERS	United States	US	S/N: 09/591189 P/N: 6242351	9-Jun-00		
RD27642 [Filed]	METHOD OF DETECTION OF NATURAL DIAMONDS THAT HAVE BEEN PROCESSED AT HIGH PRESSURE AND HIGH TEMPERATURES	United States	US	S/N: 09/430477 P/N: 6377340	29-Oct-99		
RD27888 [Filed]	FUNCTIONALIZED DIAMONDS WITH ENHANCED RETENTION IN RESIN BONDS, REACTIONS AND METHODS FOR PRODUCING SAME, AND ABRASIVES USING FUNCTIONALIZED DIAMONDS	United States	US	S/N: 09/576794 P/N: 6372002	23-May-00		
RD28183 [Filed]	METAL-INFILTRATED POLYCRYSTALLINE DIAMOND COMPOSITE TOOL FORMED FROM COATED DIAMOND PARTICLES	United States	US	S/N: 09/793312 P/N: 6541115	26-Feb-01		
RD28183 [Filed]	METAL-INFILTRATED POLYCRYSTALLINE DIAMOND COMPOSITE TOOL FORMED FROM COATED DIAMOND PARTICLES	United States	US	S/N: 10/255431	26-Sep-02		
RD28271 [Filed]	ABRASIVE DIAMOND COMPOSITE AND METHOD OF MAKING THEREOF	United States	US	S/N: 09/729525	4-Dec-00		
134047 [Filed]	METHOD TO STABILIZE FRAME SAW BLADES DURING CUT INITIATION	United States	US	134047 -1 Provisional [Filed]	14-Aug-03		

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[Awaiting]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH DISCRETE PARTICLE SIZE AREAS	United States	US	[Issued] S/N: 09/167,196 P/N: 5,187,068	[Awaiting]		
[Awaiting]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH IMPROVED IMPACT AND THERMAL STABILITY	United States	US	[Issued] S/N: 08/523,868 P/N: 5,645,617	[Awaiting]		
[Awaiting]	COMPOSITE POLYCRYSTALLINE COMPACT WITH IMPROVED FRACTURE AND DELAMINATION RESISTANCE	United States	US	[Issued] S/N: 08/415,693 P/N: 5,564,511	[Awaiting]		
[Awaiting]	HIGH PRESSURE/HIGH TEMPERATURE PISTON-CYLINDER APPARATUS	United States	US	[Issued] S/N: 07/792,716 P/N: 5,244,368	[Awaiting]		
[Awaiting]	HIGH PRESSURE REACTION VESSEL	United States	US	[Issued] S/N: 07/626,809 P/N: 5,236,674	[Awaiting]		
[Awaiting]	MODIFIED END ASSEMBLY FOR HIGH PRESSURE, HIGH TEMPERATURE REACTION VESSELS	United States	US	[Issued] S/N: 07/660,332 P/N: 5,190,734	[Awaiting]		
[Awaiting]	HIGH STRENGTH COMPOSITE COMPONENT AND METHOD OF FABRICATION	United States	US	[Issued] S/N: 07/153,725 P/N: 5,032,147	[Awaiting]		
[Awaiting]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH IMPROVED IMPACT RESISTANCE	United States	US	[Issued] S/N: 07/390,208 P/N: 5,011,515	[Awaiting]		
[Awaiting]	COMPOSITE COMPACT WITH A MORE THERMALLY STABLE CUTTING EDGE AND METHOD OF MANUFACTURING THE SAME	United States	US	[Issued] S/N: 07/390,204 P/N: 5,011,509	[Awaiting]		
[Awaiting]	COMPOSITE ABRASIVE COMPACT HAVING HIGH THERMAL STABILITY AND TRANSVERSE RUPTURE STRENGTH	United States	US	[Issued] S/N: 07/151,942 P/N: 4,871,377	[Awaiting]		
[Awaiting]	MATRIX CUTTER	United States	US	[Filed] S/N: 10/183,098	[Awaiting]		
[Awaiting]	ENHANCED METHOD FOR MAKING CVD DIAMOND	United States	US	[Filed] S/N: 10/151,266	[Awaiting]		

Docket Number	Title	Filing Country	Country Code	Filing No./Type/SN/UPN	Filing Date	Agent	Comments
112200 (Filed)	POLYCRYSTALLINE DIAMOND TIPS ON CUTTERS FOR HIGH SPEED DISC SAWHEADS FOR APPLICATION IN THE TIMBER INDUSTRY	United States	US	Provisional (Filed) S/N: 60/473511	23-May-03		
123571 (Filed)	AUTOCATALYTIC NICKEL-BORON COATING PROCESS FOR DIAMOND PARTICLES	United States	US	Provisional (Filed) S/N: 60/438957	9-Jan-03		
123989 (Filed)	LASER SUPPORT NICKEL-PLATING OF SUPERABRASIVE TOOL	United States	US	S/N: 10/172,034	14-Jun-02		
124337 (Filed)	CUTTING TOOL INSERT DESIGNED WITH MINIMIZED RESIDUAL TENSILE STRESSES	United States	US	Provisional (Filed) S/N: 60/395,182	10-Jul-02		
124337 (Filed)	CUTTING TOOL INSERT DESIGNED WITH MINIMIZED RESIDUAL TENSILE STRESSES	United States	US	S/N: 10/458903 P/N: 6666753	11-Jun-03		
125174 (Filed)	CUTTING TOOL WITH TWO-SLOPE PROFILE DESIGNED WITH MINIMIZED AXIAL SURFACE RESIDUAL STRESSES	United States	US	Provisional (Filed) S/N: 60/395,181	10-Jul-02		
125174 (Filed)	CUTTING TOOL WITH TWO-SLOPE PROFILE DESIGNED WITH MINIMIZED AXIAL SURFACE RESIDUAL STRESSES	United States	US	S/N: 10/455008	5-Jun-03		
125185 (Filed)	METHOD TO IMPROVE WEAR UNIFORMITY OF DIAMOND-CONTAINING SEGMENTS ON BLADES FOR STABBING GRANITE	United States	US	Provisional (Filed) S/N: 60/432222	10-Dec-02		
125185 (Filed)	METHOD TO IMPROVE WEAR UNIFORMITY OF DIAMOND-CONTAINING SEGMENTS ON BLADES FOR STABBING GRANITE	United States	US		9-Dec-03		
125877 (Filed)	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	United States	US	Provisional (Filed) S/N: 60/382209	21-May-02		
125877 (Filed)	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	United States	US	S/N: 10/437469	8-Jul-03		
125877 (Filed)	POLYCRYSTALLINE DIAMOND CUTTERS AND ENHANCED IMPACT RESISTANCE	United States	US	125877 - 7 Original (Filed)			
126337 (Filed)	SCRATCH-PROOF COMPOSITE WATCH GLASS	United States	US	Provisional (Filed) S/N: 60/399778	31-Jul-02		
126360 (Filed)	A SINTERED COMPACT FOR USE IN MACHINING CHEMICALLY REACTIVE MATERIALS	United States	US	Provisional (Filed) S/N: 60/391707	26-Jun-02		
126360 (Filed)	A SINTERED COMPACT FOR USE IN MACHINING CHEMICALLY REACTIVE MATERIALS	United States	US	S/N: 10/437516	14-May-03		
126855 (Filed)	METHOD FOR PRODUCING SINTERED POLYCRYSTALLINE DIAMOND ON TUNGSTEN CARBIDE SUBSTRATES	United States	US	Provisional (Filed) S/N: 60/414987	1-Oct-02		
126855 (Filed)	METHOD FOR PRODUCING SINTERED POLYCRYSTALLINE DIAMOND ON TUNGSTEN CARBIDE SUBSTRATES	United States	US		17-Jul-03		
129177 (Filed)	EXTRUSION AND COMPOUNDING EQUIPMENT COMPONENTS WITH IMPROVED WEAR RESISTANCE	United States	US	Provisional (Filed) S/N: 60/445631	7-Feb-03		
129178 (Filed)	IMPROVED WEAR RESISTANT COMPONENTS FOR SIZE REDUCTION AND SIZE CLASSIFICATION EQUIPMENT	United States	US	Provisional (Filed) S/N: 60/445615	7-Feb-03		

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129182 [Filed]	WEAR CONTROL IN CONTINUOUS GLASS FIBER PLANTS	United States	US	Provisional [Filed] S/N: 60/445614	7-Feb-03		
129184 [Filed]	WEAR-RESISTANT DRILL BIT BODIES AND OTHER COMPONENTS FOR OIL AND GAS DRILLING	United States	US	Provisional [Filed] S/N: 60/445659	7-Feb-03		
129892 [Filed]	WEAR AND CORROSION RESISTANT ORIFICE AND RELATED COMPONENTS	United States	US	Provisional [Filed] S/N: 60/445633	7-Feb-03		
130335 [Filed]	ARTICLES COMPRISING AN ABRASION-RESISTANT RESINOUS SKIN INTEGRALLY BONDED WITH GRADED INTERFACE TO A RESINOUS CORE MATERIAL	United States	US	Provisional [Filed] S/N: 60/440455	15-Jan-03		
130335 [Filed]	ARTICLES COMPRISING AN ABRASION-RESISTANT RESINOUS SKIN INTEGRALLY BONDED WITH GRADED INTERFACE TO A RESINOUS CORE MATERIAL	United States	US	Provisional [Filed] S/N: 60/464517	22-Apr-03		
131068 [Filed]	WEAR AND CORROSION PREVENTION IN FIREARMS	United States	US	Provisional [Filed] S/N: 60/445609	7-Feb-03		
132255 [Filed]	AIRCRAFT ENGINE WEAR PARTS	United States	US	Provisional [Filed] S/N: 60/445632	7-Feb-03		
132270 [Filed]	CLIPPER BLADE SETS AND COMBS WITH IMPROVED WEAR RESISTANCE	United States	US	Provisional [Filed] S/N: 60/445610	7-Feb-03		
132876 [Filed]	SELECTION OF DIAMONDS GRIT MORPHOLOGY AND SIZE DISTRIBUTION FOR CMP CONDITIONER APPLICATION	United States	US	Provisional [Filed]	8-Oct-03		
133139 [Filed]	IMPROVED WEAR PERFORMANCE TOOLS FOR METAL, PLASTIC, CERAMIC AND COMPOSITE FORMING	United States	US	Provisional [Filed] S/N: 60/447808	14-Feb-03		
133140 [Filed]	PCD AND PCBN TOOL BLANKS WITH PREFIXED BRAZE ALLOY	United States	US	Provisional [Filed] S/N: 60/445613	7-Feb-03		
133141 [Filed]	COATINGS WITH HIGHLY TORTUOUS SURFACE TOPOGRAPHY FOR ABRASIVE/SUPERABRASIVE PARTICLES USED IN METALS/CERAMIC/POLYMER MATRIX COMPOSITES	United States	US	Provisional [Filed] S/N: 60/469285	8-May-03		
133615 [Filed]	IMPROVED TOOLS FOR MACHINING FIBER CEMENTS	United States	US	Provisional [Filed]	11-Mar-03		
133794 [Filed]	SUPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELIMINATE HOT-BRAZING IN TOOL FABRICATION	United States	US	Provisional [Filed] S/N: 60/470306	14-May-03		
133794 [Filed]	SUPERABRASIVE TOOLS PRESS-FIT INTO CARBIDE SUBSTRATES TO ELIMINATE HOT-BRAZING IN TOOL FABRICATION	United States	US		22-Oct-03		
133920 [Filed]	DRAWING IN TOOL FABRICATION DRILL BITS, ROUTER BITS, PROFILE CUTTERS, FILES, PLANING AND SAW BLADES WITH IMPROVED WEAR RESISTANCE	United States	US	Provisional [Filed] S/N: 60/469287	9-May-03		
133975 [Filed]	METHOD TO IMPROVE TOOL INTEGRITY WHEN CUTTING STONE	United States	US	Provisional [Filed]	14-Aug-03		
135143 [Filed]	A METHOD OF MAKING ABRASIVE TOOLS FROM BI-MODAL DIAMOND OR CUBIC BORON NITRIDE POWDER	United States	US	Provisional [Filed] S/N: 60/467311	2-May-03		

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136255 [Filed]	SINTERED COMPACT FOR USE IN MACHINING VARIOUS CAST IRON MATERIALS	United States	US	Provisional [filed]	3-Dec-03		
145361 [Filed]	COMPRESSION CONTAINER FOR POLYCRYSTALLINE WIRE DIE	United States	US	Provisional [filed]	10-Dec-03		
60SD10 [Filed]	DIAMOND AND CBN ABRASIVE COMPACTS USING SIZE SELECTIVE ABRASIVE PARTICLE LAYERS	United States	US	S/N: 219289 P/N: 4311490	7-Sep-88		
60SD147 [Filed]	RE-SINTERED BORON-RICH POLYCRYSTALLINE CUBIC BORON NITRIDE AND METHOD FOR MAKING SAME	United States	US	S/N: 823893 P/N: 4673414	29-Jan-86		
60SD184 [Filed]	GANG SAW FOR CUTTING BLOCKS OF STONE	United States	US	S/N: 515448 P/N: 4498450	20-Jul-83		
60SD240 [Filed]	PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	US	S/N: 542081 P/N: 4525179	14-Oct-83		
60SD242 [Filed]	PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	US	S/N: 488003 P/N: 4536442	2-May-83		
60SD245 [Filed]	MERGED WITH 60-SD-259 FOR FILING	United States	US	S/N: 818850 P/N: 4797326	14-Jan-86		
60SD24559 [Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS	United States	US	S/N: 818850 P/N: 4797326	14-Jan-86		
60SD246 [Filed]	GANG SAW FOR CUTTING BLOCKS OF STONE	United States	US	S/N: 515448 P/N: 4498450	20-Jul-83		
60SD249 [Filed]	SWEEP THROUGH PROCESS FOR MAKING POLYCRYSTALLINE COMPACTS	United States	US	S/N: 536221 P/N: 4518659	23-Sep-83		
60SD251 [Filed]	IMPROVED PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS	United States	US	S/N: 552081 P/N: 4525179	14-Oct-83		
60SD254 [Filed]	COATED OXIDATION-RESISTANT POROUS ABRASIVE COMPACT AND METHOD FOR MAKING SAME	United States	US	S/N: 06920041 P/N: 4738689	16-Oct-86		
60SD256 [Filed]	POLYCRYSTALLINE SANDWICH COMPACTS AND METHOD FOR MAKING SAME	United States	US	S/N: 071277875 P/N: 5009673	30-Nov-88		
60SD257 [Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	United States	US	S/N: 697668 P/N: 4810447	4-Feb-85		
60SD257 [Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	United States	US	S/N: 8491 P/N: 4832708	27-Jan-87		
60SD261 [Filed]	PROCESS FOR PREPARING POLYCRYSTALLINE CBN CERAMIC MASSES AND RESULTING PRODUCT	United States	US	S/N: 7366943 P/N: 5043120	16-Jun-89		
60SD262 [Filed]	BRAZED COMPOSITE COMPACT IMPLEMENTS	United States	US	S/N: 624064 P/N: 4527998	25-Jun-84		
60SD303 [Filed]	REFRACTORY METAL OXIDE COATED ABRASIVES AND GRINDING WHEELS MADE THEREFROM	United States	US	S/N: 07358728 P/N: 4951427	30-May-89		
60SD305 [Filed]	STUD-MOUNTED POLYCRYSTALLINE TOOTHED DIAMOND CUTTING BLANKS	United States	US	S/N: 7192872 P/N: D317010	11-May-88		
60SD308 [Filed]	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	United States	US	S/N: 7365268 P/N: 4931363	12-Jun-89		

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60SD30811 [Filed]	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	United States	US	S/N: 158575 P/N: 4899922	22-Feb-88		
60SD317 [Filed]	COATED OXIDATION-RESISTANT POROUS ABRASIVE COMPACT AND METHOD FOR MAKING SAME	United States	US	S/N: 920041 P/N: 47386689	16-Oct-86		
60SD318 [Filed]	BONDING OF THERMALLY STABLE ABRASIVE COMPACTS TO CARBIDE SUPPORTS	United States	US	S/N: 07158336 P/N: 4850523	22-Feb-88		
60SD327 [Filed]	SYSTEM FOR IMPROVED FLAW DETECTION IN POLYCRYSTALLINE DIAMOND	United States	US	S/N: 008491 P/N: 4832708	29-Jan-87		
60SD33 [Filed]	OPTICAL WINDOWS MADE OF POLYCRYSTALLINE ADAMANTANE BORON NITRIDE OR DIAMOND	United States	US	S/N: 488003 P/N: 4536442	2-May-83		
60SD332 [Filed]	METHOD OF MAKING DIAMOND TOOL	United States	US	S/N: 713966 P/N: 4661180	25-Mar-85		
60SD333 [Filed]	POLYCRYSTALLINE ABRASIVE GRIT	United States	US	S/N: 153466 P/N: 4828582	3-Feb-88		
60SD333V [Filed]	POLYCRYSTALLINE ABRASIVE GRIT	United States	US	S/N: 793462 P/N: 4828582	1-Sep-88		
60SD358 [Filed]	PRODUCTS AND PROCESS FOR MAKING MULTIGRAIN ABRASIVE COMPACTS	United States	US	S/N: 07689259 P/N: 5211726	14-Mar-91		
60SD364 [Filed]	MULTIGRAIN ABRASIVE PARTICLES	United States	US	S/N: 07689124 P/N: 5106392	14-Mar-91		
60SD367 [Filed]	CHIP BREAKER FOR POLYCRYSTALLINE CBN AND DIAMOND COMPACTS	United States	US	S/N: 7429661 P/N: 5026960	31-Oct-89		
60SD368 [Filed]	DIAMOND AND CUBIC BORON NITRIDE	United States	US	S/N: 156272 P/N: 4807402	12-Feb-88		
60SD389 [Filed]	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANKS	United States	US	S/N: 328347 P/N: D330208	24-Mar-89		
60SD390 [Filed]	RECIPROCATING POINT ROTARY DIAMOND	United States	US	S/N: 07635082 P/N: 5172681	28-Dec-90		
60SD401 [Filed]	INTERLOCKING MOUNTED ABRASIVE COMPACTS	United States	US	S/N: 332814 P/N: D325226	3-Apr-89		
60SD412 [Filed]	SAWBLADE SEGMENTS UTILIZING POLYCRYSTALLINE DIAMOND GRIT	United States	US	S/N: 262405 P/N: 4883500	25-Oct-88		
60SD419 [Filed]	SUPPORTED THERMALLY STABLE CUBIC BORON NITRIDE TOOLS BLANKS AND METHOD FOR MAKING THE SAME	United States	US	S/N: 77394349 P/N: 4985050	15-Aug-89		
60SD428 [Filed]	DIAMOND COMPACTS FOR ROCK DRILLING AND MACHINING	United States	US	S/N: 7420191 P/N: 5022894	12-Oct-89		
60SD437 [Filed]	METHOD FOR PRODUCING POLYCRYSTALLINE COMPACT TOOL BLANKS WITH FLAT CARBIDE SUPPORT/DIAMOND OR CBN INTERFACES	United States	US	S/N: 331928 P/N: 4954139	31-Mar-89		
60SD439 [Filed]	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANK	United States	US	S/N: 328348 P/N: D324527	24-Mar-89		
60SD439 [Filed]	STUD-MOUNTED POLYCRYSTALLINE DIAMOND CUTTING BLANK	United States	US	S/N: 7328348 P/N: 324527	24-Mar-89		
60SD440 [Filed]	INTERLOCKING MOUNTED ABRASIVE COMPACTS	United States	US	S/N: 332828 P/N: D324056	3-Apr-89		
60SD455 [Filed]	CBN/CBN COMPOSITE MASSES AND THEIR PREPARATION	United States	US	S/N: 7630916 P/N: 5106792	20-Dec-90		
60SD458 [Filed]	MULTI-LAYER METAL COATED DIAMOND ABRASIVES FOR SINTERED METAL BONDED TOOLS	United States	US	S/N: 07857132 P/N: 5250086	25-Mar-92		

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60SD461 [Filed]	BRAZED THERMALLY-STABLE POLYCRYSTALLINE DIAMOND COMPACT WORKPIECES AND THEIR FABRICATION	United States	US	SN: 365268 P/N: 4931363	12-Jun-89		
60SD469 [Filed]	POLYCRYSTALLINE CVD DIAMOND SUBSTRATE FOR SINGLE CRYSTAL EPITAXIAL GROWTH OF SEMICONDUCTORS FORMERLY	United States	US	SN: 07/479486 P/N: 4981818	13-Feb-90		
60SD493 [Filed]	CVD DIAMOND COATED ANNULUS COMPONENTS AND THEIR METHOD OF FABRICATION	United States	US	SN: 08/127964 P/N: 5508071	28-Sep-93		
60SD498 [Filed]	CVD DIAMOND FOR COATING TWIST DRILLS	United States	US	SN: 07/563367 P/N: 5096736	7-Aug-90		
60SD498 [Filed]	CVD DIAMOND FOR COATING TWIST DRILLS	United States	US	SN: 07/929239 P/N: 5256206	14-Aug-92		
60SD499 [Filed]	CVD DIAMOND COATED TWIST DRILLS	United States	US	SN: 07/555879 P/N: 5022801	18-Jul-90		
60SD504 [Filed]	USING THERMALLY-STABLE DIAMOND OR CBN COMPACTS AS TIPS FOR ROTARY DRILLS	United States	US	SN: 07/577378 P/N: 5273557	4-Sep-90		
60SD506 [Filed]	ISOTOPICALLY PURE SINGLE CRYSTAL EPITAXIAL DIAMOND FILMS AND THEIR PREPARATION	United States	US	SN: 07/547651 P/N: 5360479	2-Jul-90		
60SD518 [Filed]	THERMALLY STABLE DENSE ELECTRICALLY CONDUCTIVE DIAMOND COMPACTS	United States	US	SN: 07/773461 P/N: 5266236	9-Oct-91		
60SD528 [Filed]	MULTILAYER CVD DIAMOND FILMS	United States	US	SN: 08/400555 P/N: 5491002	8-Mar-95		
60SD567 [Filed]	CHEMICALLY BONDED ADHERENT COATING FOR ABRASIVE COMPACTS AND METHOD FOR MAKING SAME	United States	US	SN: 07/710725 P/N: 5173091	4-Jun-91		
60SD576 [Filed]	SMOOTH SURFACE CVD DIAMOND FILMS AND METHOD FOR PRODUCING SAME	United States	US	SN: 07/967461 P/N: 5439492	28-Oct-92		
60SD576 [Filed]	SMOOTH SURFACE CVD DIAMOND FILMS AND METHOD FOR PRODUCING SAME	United States	US	SN: 08/220948 P/N: 5523121	31-Mar-94		
60SD577 [Filed]	CARBON FLUORIDE COMPOSITIONS	United States	US	SN: 08/073991 P/N: 5380557	3-Jun-93		
60SD578 [Filed]	METHOD FOR MAKING SMOOTH SUBSTRATE MANDRELS	United States	US	SN: 07/815478 P/N: 5176803	4-Mar-92		
60SD581 [Filed]	METHOD FOR PRODUCING UNIFORM CYLINDRICAL TUBES OF CVD DIAMOND	United States	US	SN: 08/138888 P/N: 5387447	19-Oct-93		
60SD582 [Filed]	PROCESS FOR MAKING COATED ABRASIVES FOR GRINDING WHEELS	United States	US	SN: 08/032750 P/N: 5306318	17-Mar-93		
60SD583 [Filed]	COATING FOR IMPROVED RETENTION OF CBN IN VITREOUS BOND MATRICES	United States	US	SN: 08/005951 P/N: 5300129	19-Jan-93		
60SD584 [Filed]	DUAL-COATED DIAMOND PELLETS AND SAW BLADE SEGMENTS MADE THEREWITH	United States	US	SN: 07/762999 P/N: 5143523	20-Sep-91		
60SD615 [Filed]	METHOD FOR CONTROLLING THE PARTICLE SIZE DISTRIBUTION IN THE PRODUCTION OF MULTICRYSTALLINE CUBIC BORON NITRIDE DIAMOND PELLETS AND SAW BLADE SEGMENTS MADE THEREWITH	United States	US	SN: 07/995228 P/N: 5985228	22-Dec-92		
60SD628 [Filed]	DIAMOND PELLETS AND SAW BLADE SEGMENTS MADE THEREWITH	United States	US	SN: 07/857192 P/N: 5405573	4-May-92		
60SD633 [Filed]	MULTI-LAYER METAL COATED DIAMOND ABRASIVES WITH AN ELECTROLESSLY DEPOSITED METAL LAYER	United States	US	SN: 07/857139 P/N: 5232469	25-Mar-92		

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60SD643 [Filed]	SUPPORTED POLYCRYSTALLINE DIAMOND COMPACT HAVING A CUBIC BORON NITRIDE INTERLAYER FOR IMPROVED PHYSICAL PROPERTIES	United States	US	S/N: 08/322841 P/N: 5510193	13-Oct-94		
60SD643 [Filed]	SUPPORTED POLYCRYSTALLINE DIAMOND COMPACT HAVING A CUBIC BORON NITRIDE INTERLAYER FOR IMPROVED PHYSICAL PROPERTIES	United States	US	S/N: 08/595715 P/N: 5603070	2-Feb-96		
60SD645 [Filed]	PREPARATION OF THIN FREE-STANDING DIAMOND FILMS	United States	US	S/N: 08/369047 P/N: 5490963	5-Jan-95		
60SD647 [Filed]	FINE GRAIN DIAMOND WORKPIECES	United States	US	S/N: 07/967461 P/N: 5439492	28-Oct-92		
60SD652 [Filed]	ABRASIVE TOOL INSERT SEE CIP 60SD00658	United States	US	S/N: 08/095631 P/N: 5484330	21-Jul-93		
60SD652 [Filed]	ABRASIVE TOOL INSERT SEE CIP 60SD00658	United States	US	S/N: 08/271307 P/N: 5486137	6-Jul-94		
60SD653 [Filed]	REDUCTION OF STRESSES IN THE POLYCRYSTALLINE ABRASIVE LAYER OF A COMPOSITE COMPACT IN THE IN SITU BONDED CARBIDE/CARBIDE SUPPORT	United States	US	S/N: 08/489877 P/N: 5560754	13-Jun-95		
60SD658 [Filed]	ABRASIVE TOOL INSERT SEE CIP	United States	US	S/N: 08/105523 P/N: 5494477	11-Aug-93		
60SD660 [Filed]	PROCESS FOR PREPARING POLYCRYSTALLINE CBN CERAMIC MASSES AND RESULTING PRODUCT	United States	US	S/N: 07/985500 P/N: 5320988	1-Dec-92		
60SD662 [Filed]	METHOD OF SEPARATION OF PIECES FROM SUPER HARD MATERIAL BY PARTIAL LASER CUT AND PRESSURE CLEAVAGE	United States	US	S/N: 08/060459 P/N: 5387776	11-May-93		
60SD664 [Filed]	CLASSIFYING AND SORTING CRYSTALLINE OBJECTS	United States	US	S/N: 08/400556 P/N: 5544254	8-Mar-95		
60SD665 [Filed]	MEASURING THE STRENGTH OF ABRASIVE GRAINS	United States	US	S/N: 08/016638 P/N: 5392633	12-Feb-93		
60SD669 [Filed]	PROCESS FOR MAKING COATED ABRASIVES FOR GRINDING WHEELS	United States	US	S/N: 08/032750 P/N: 5306318	17-Mar-93		
60SD690 [Filed]	MULTIPLE GRAINED DIAMOND WIRE DIE	United States	US	S/N: 08/143802 P/N: 5361621	27-Oct-93		
60SD691 [Filed]	OPTICALLY IMPROVED DIAMOND WIRE DIE	United States	US	S/N: 08/148803 P/N: 5465603	5-Nov-93		
60SD693 [Filed]	ABRASIVE COMPACT WITH IMPROVED PROPERTIES	United States	US	S/N: 08/571312 P/N: 5855996	12-Dec-95		
60SD693 [Filed]	ABRASIVE COMPACT WITH IMPROVED PROPERTIES	United States	US	S/N: 09/087776 P/N: 6132675	29-May-98		
60SD694 [Filed]	DIAMOND WIRE DIE	United States	US	S/N: 08/121014 P/N: 5363687	14-Sep-93		
60SD696 [Filed]	ABRASIVE TOOL INSERT	United States	US	S/N: 08/271307 P/N: 5486137	6-Jul-94		
60SD698 [Filed]	CVD DIAMOND COATING ANNULUS COMPONENTS AND METHOD OF THEIR FABRICATION	United States	US	S/N: 08/127964 P/N: 5508071	28-Sep-93		
60SD701 [Filed]	DIAMOND WIRE DIE WITH POSITIONED OPENING	United States	US	S/N: 08/144168 P/N: 5377522	27-Oct-93		
60SD708 [Filed]	A METHOD FOR MANUFACTURING A DIAMOND ARTICLE	United States	US	S/N: 08/310449 P/N: 5529805	22-Sep-94		
60SD709 [Filed]	FABRICATION OF AIR BRAZABLE DIAMOND TOOL INSERTS AND INSERTS FABRICATED THEREBY	United States	US	S/N: 08/286076 P/N: 5500248	4-Aug-94		
60SD709 [Filed]	FABRICATION OF AIR BRAZABLE DIAMOND TOOL INSERTS AND INSERTS FABRICATED THEREBY	United States	US	S/N: 09/583360 P/N: 5647878	5-Jan-96		



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60SD712	[Filed]	METHOD FOR ENHANCING THE TOUGHNESS OF CVD DIAMOND	United States	US	S/N: 08/238543 P/N: 5451430	5-May-94		
60SD713	[Filed]	METHOD FOR ENHANCING THE TOUGHNESS OF CVD DIAMOND	United States	US	S/N: 08/654815 P/N: 5672395	29-May-96		
60SD714	[Filed]	ANNULAR DIAMOND BODIES	United States	US	S/N: 08/311658 P/N: 5551277	23-Sep-94		
60SD715	[Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS HAVING IMPROVED PHYSICAL PROPERTIES AND METHOD FOR MAKING SAME	United States	US	S/N: 08/239156 P/N: 5512235	6-May-94		
60SD715	[Filed]	SUPPORTED POLYCRYSTALLINE COMPACTS HAVING IMPROVED PHYSICAL PROPERTIES AND METHOD FOR MAKING SAME	United States	US	S/N: 08/616997 P/N: 5773140	14-Mar-96		
60SD721	[Filed]	WIRE DRAWING DIE HAVING IMPROVED PHYSICAL PROPERTIES NO DIVISIONAL DUE PER GLL	United States	US	S/N: 08/412050 P/N: 5660075	28-Mar-95		
60SD726	[Filed]	A FINE GRAIN DIAMOND TOOL AND METHOD OF MANUFACTURE	United States	US	S/N: 08/551593 P/N: 5660936	1-Nov-95		
60SD728	[Filed]	PREPARATION OF THIN FREE-STANDING DIAMOND FILMS	United States	US	S/N: 08/369047 P/N: 5490963	5-Jan-95		
60SD731	[Filed]	CLASSIFYING AND SORTING CRYSTALLINE OBJECTS	United States	US	S/N: 08/400556 P/N: 5544254	8-Mar-95		
60SD732	[Filed]	MULTILAYER CVD DIAMOND FILMS	United States	US	S/N: 08/400555 P/N: 5491002	8-Mar-95		
60SD745	[Filed]	METHOD FOR PRODUCING UNIFORMLY HIGH QUALITY ABRASIVE COMPACTS	United States	US	S/N: 08/555672 P/N: 5669944	13-Nov-95		
60SD749	[Filed]	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH REDUCED FAILURE DURING BRAZING	United States	US	S/N: 08/975028 P/N: 6042463	20-Nov-97		
60SD750	[Filed]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT NO DIV DUE PER EPA 51/97	United States	US	S/N: 08/591879 P/N: 5662720	26-Jan-96		
60SD752	[Filed]	POLYCRYSTALLINE DIAMOND COMPACT (PDC) CUTTER WITH IMPROVED CUTTING CAPABILITY	United States	US	S/N: 08/975429 P/N: 6045440	20-Nov-97		
60SD753	[Filed]	POLYCRYSTALLINE DIAMOND COMPACT CUTTER WITH IMPROVED CUTTING BY PREVENTING CHIP BUILD UP	United States	US	S/N: 09/131460 P/N: 6196910	10-Aug-98		
60SD760A	[Filed]	POLYCRYSTALLINE DIAMOND CUTTING ELEMENT	United States	US	S/N: 08/777213 P/N: 5848657	27-Dec-96		
60SD768	[Filed]	AN IMPROVED ABRASIVE CUTTING ELEMENT AND DRILL BIT	United States	US	S/N: 08/611896 P/N: 5743346	6-Mar-96		
60SD769	[Filed]	POLYCRYSTALLINE DIAMOND CUTTING ELEMENT WITH DIAMOND RIDGE PATTERN	United States	US	S/N: 08/777222 P/N: 5829541	27-Dec-96		
60SD772	[Filed]	COATED CBN POLYCRYSTALLINE SUPERABRASIVE TOOLS	United States	US	S/N: 08/778417	7-Jan-97		
60SD772	[Filed]	COATED CBN POLYCRYSTALLINE SUPERABRASIVE TOOLS	United States	US	S/N: 10/411471	8-Apr-03		
60SD774	[Filed]	METHOD FOR PRODUCING CUBIC BORON NITRIDE USING MELAMINE AS A CATALYST	United States	US	S/N: 09/072144 P/N: 5869015	4-May-98		
60SD784	[Filed]	SYNTHETIC GASKET MATERIAL FOR USE IN HIGH PRESSURE PRESSES TRANS FMMEGADIAMOND	United States	US	S/N: 08/874769 P/N: 5858525	13-Jun-97		

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60SD785	[Filed]	THERMALLY-DIFFUSED BORON DIAMOND AND ITS PRODUCTION	United States	US	S/N: 09/561128 P/N: 6322891	28-Apr-00		
60SD787	[Filed]	SUPERABRASIVE CUTTING ELEMENT WITH ENHANCED STIFFNESS, THERMAL CONDUCTIVITY AND CUTTING EFFICIENCY	United States	US	S/N: 08/783171 P/N: 6009963	14-Jan-97		
60SD788	[Filed]	WIRE DRAWING DIE WITH NON-CYLINDRICAL INTERFACE CONFIGURATION FOR REDUCING STRESSES	United States	US	S/N: 08/950004 P/N: 5957005	14-Oct-97		
60SD788	[Filed]	WIRE DRAWING DIE WITH NON-CYLINDRICAL INTERFACE CONFIGURATION FOR REDUCING STRESSES	United States	US	S/N: 09/358271 P/N: 6314836	21-Jul-99		
60SD794	[Filed]	AXISYMMETRIC CUTTING ELEMENT	United States	US	S/N: 09/492095 P/N: 6260640	27-Jan-00		
60SD795	[Filed]	SHAPED POLYCRYSTALLINE CUTTER ELEMENTS	United States	US	S/N: 09/072471 P/N: 6102143	4-May-98		
60SD796	[Filed]	TITANIUM CHROMIUM ALLOY COATED DIAMOND CRYSTALS FOR USE IN SAW BLADE SEGMENTS AND METHOD FOR THEIR PRODUCTION	United States	US	S/N: 09/570957 P/N: 6319608	15-May-00		
60SD802	[Filed]	HIGH PRESSURE/HIGH TEMPERATURE PRODUCTION OF COLORLESS AND FANCY COLORED DIAMONDS	United States	US	S/N: 10/338136	8-Jan-03		
60SD805	[Filed]	HIGH PRESSURE APPARATUS HAVING TRANSITION SLOPE BINDING RING THAT MITIGATES TENSILE STRESSES AND CORRESPONDING METHOD	United States	US	S/N: 09/740777 P/N: 6375446	19-Dec-00		
60SD806	[Filed]	LOW OXYGEN CUBIC BORON NITRIDE	United States	US	S/N: 10/001573	2-Nov-01		
60SD811	[Filed]	CRYSTAL MIXING FOR LOW POWER GRINDING	United States	US	S/N: 09/988244	16-Nov-01		
60SD812	[Filed]	METHOD AND APPARATUS FOR CUTTING GRANITE	United States	US	S/N: 60/139654	17-Jun-99		
60SD812	[Filed]	METHOD AND APPARATUS FOR CUTTING GRANITE	United States	US	S/N: 10/014547	14-Dec-01		
60SD817	[Filed]	HIGH PRESSURE/HIGH TEMPERATURE PRODUCTION OF COLORED DIAMONDS	United States	US	S/N: 10/069362	25-Aug-00		
60SD820	[Filed]	SURFACE MODIFICATION OF COATED ABRASIVES TO ENHANCE THEIR ADHESION IN RESIN BOND TOOLS	United States	US	S/N: 09/901159	9-Jul-01		
60SD827	[Filed]	ABRASIVE TOOL INSERTS AND THEIR PRODUCTION	United States	US	S/N: 09/845540 P/N: 6315652	30-Apr-01		
60SD831	[Filed]	HIGH PRESSURE AND HIGH TEMPERATURE PRODUCTION OF DIAMONDS	United States	US	S/N: 60/224485	11-Aug-00		
60SD831	[Filed]	HIGH PRESSURE AND HIGH TEMPERATURE PRODUCTION OF DIAMONDS	United States	US	S/N: 10/344249	11-Feb-03		
60SD838	[Filed]	SILVER-COATED ABRASIVES, TOOLS CONTAINING SILVER-COATED ABRASIVES, AND APPLICATIONS OF THESE TOOLS	United States	US	S/N: 09/776141 P/N: 6666753	2-Feb-01		
60SD839	[Filed]	JADEITE AND ITS PRODUCTION	United States	US	S/N: 09/737667	15-Dec-00		
60SD839	[Filed]	JADEITE AND ITS PRODUCTION	United States	US	S/N: 09/799192	5-Mar-01		
60SD845	[Filed]	BORON DOPED BLUE DIAMOND AND ITS PRODUCTION	United States	US	S/N: 09/935957	23-Aug-01		

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60SD845 (Filed)	BORON DOPED BLUE DIAMOND AND ITS PRODUCTION	United States	US	S/N: 107262784	2-Oct-02		
60SD851 (Filed)	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND USE THEREOF FIN VITREOUS MATRIX COMPOSITES	United States	US	S/N: 09/987863 P/N: 6475254	16-Nov-01		
60SD851 (Filed)	FUNCTIONALLY GRADED COATINGS FOR ABRASIVE PARTICLES AND USE THEREOF FIN VITREOUS MATRIX COMPOSITES	United States	US	S/N: 10/174914 P/N: 6596040	19-Jun-02		
60SD852 (Filed)	HIGH PRESSURE PRODUCTION OF PEROVSKITES	United States	US	S/N: 09/831312	16-Aug-01		
RD14877 (Filed)	SINTERED POLYCRYSTALLINE DIAMOND COMPACT CONSTRUCTION WITH INTEGRAL HEAT SINK	United States	US	S/N: 652242 P/N: 4605343	20-Sep-84		
RD16334 (Filed)	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	US	S/N: 830414 P/N: 4690691	13-Feb-86		
RD17340 (Filed)	DIAMOND CRYSTAL GROWTH PROCESS	United States	US	S/N: 07/332914 P/N: 5261959	4-Apr-89		
RD17340 (Filed)	DIAMOND CRYSTAL GROWTH PROCESS	United States	US	S/N: 08/150633 P/N: 5516554	10-Nov-93		
RD18037 (Filed)	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	US	S/N: 48176 P/N: 4797138	11-May-87		
RD18037 (Filed)	POLYCRYSTALLINE DIAMOND AND CBN CUTTING TOOLS	United States	US	S/N: 07/048176 P/N: 4797138	11-May-87		
RD18116 (Filed)	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 07/744815 P/N: 5310447	12-Aug-91		
RD18402 (Filed)	EXCIMER LASER PATTERNING OF A NOVEL RESIST	United States	US	S/N: 224416 P/N: 4842677	26-Jul-88		
RD18693 (Filed)	METHOD FOR IMPROVING ADHESION OF SYNTHETIC DIAMOND COATINGS TO SUBSTRATES	United States	US	S/N: 07/653556 P/N: 5190823	11-Feb-91		
RD19369 (Filed)	TRANSPARENT DIAMOND FILMS AND METHOD FOR MAKING	United States	US	S/N: 07/407179 P/N: 5110579	14-Sep-89		
RD19369 (Filed)	TRANSPARENT DIAMOND FILMS AND METHOD FOR MAKING	United States	US	S/N: 07/859753 P/N: 5273731	30-Mar-92		
RD19567 (Filed)	FREE STANDING DIAMOND SHEET AND METHOD AND APPARATUS FOR MAKING SAME	United States	US	S/N: 07/537963 P/N: 5464071	13-Jun-90		
RD20142 (Filed)	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 08/163608 P/N: 5419276	6-Dec-93		
RD20142 (Filed)	SINGLE-CRYSTAL DIAMOND OF VERY HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 08/368732 P/N: 5540904	4-Jan-95		
RD20790 (Filed)	APPARATUS FOR PRODUCING DIAMONDS BY CHEMICAL VAPOR DEPOSITION AND ARTICLES PRODUCED THEREFROM	United States	US	S/N: 07/948077 P/N: 5204145	21-Sep-92		
RD20983 (Inactivated)	ARTIFICIAL POLYMER LATTICES IN CORE-SHELL FORM AND METHOD OF PREPARATION	United States	US	S/N: 07/980,444 P/N: 5356955	23-Nov-93		
RD21018 (Filed)	METHOD FOR IMPROVING ADHESION OF SYNTHETIC DIAMOND COATINGS TO SUBSTRATES	United States	US	S/N: 07/653556 P/N: 5190823	11-Feb-91		
RD21033 (Filed)	IMPROVED METHOD OF APPLYING METAL COATINGS ON DIAMOND AND ARTICLES MADE THEREFROM	United States	US	S/N: 07/722575 P/N: 5190796	27-Jun-91		

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RD21034 [Inactivated]	METHOD OF PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION AND THE SUPPORT MANDRELS USED THEREIN	United States	US	S/N: 08/119448 P/N: 5869133	9-Sep-93		
RD21356 [Filed]	METHOD FOR PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION	United States	US	S/N: 07/845992 P/N: 5175929	4-Mar-92		
RD21493 [Filed]	METHOD OF APPLYING METAL COATING ON CUBIC BORON NITRIDE AND ARTICLES MADE THEREFROM	United States	US	S/N: 07/738758 P/N: 5188643	1-Aug-91		
RD21661 [Filed]	PREHEATER FOR CVD DIAMOND REACTOR	United States	US	S/N: 08/306077 P/N: 5479874	14-Sep-94		
RD21796 [Filed]	SUPPRESSION OF GRAPHITE FORMATION DURING LASER ETCHING OF DIAMOND	United States	US	S/N: 08/248896 P/N: 5419798	25-May-94		
RD22021 [Filed]	SUBSTANTIALLY TRANSPARENT FREE STANDING DIAMOND FILMS	United States	US	S/N: 07/859753 P/N: 5273731	30-Mar-92		
RD22055 [Filed]	METHOD FOR DETERMINING THICKNESS OF CHEMICAL VAPOR DEPOSITED LAYERS	United States	US	S/N: 07/991798 P/N: 5300313	16-Dec-92		
RD22294 [Filed]	PROCESS FOR MAKING METALLIZED VIAS IN DIAMOND SUBSTRATES	United States	US	S/N: 08/188877 P/N: 5382758	31-Jan-94		
RD22486 [Filed]	APPARATUS FOR PRODUCING DIAMOND BY CHEMICAL VAPOR DEPOSITION AND ARTICLES PRODUCED THEREFROM	United States	US	S/N: 07/948077 P/N: 5204145	21-Sep-92		
RD22514 [Filed]	APPARATUS FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND INCLUDING GRAPHITE SUBSTRATE HOLDERS	United States	US	S/N: 08/096392 P/N: 5391229	26-Jul-93		
RD22530 [Filed]	APPARATUS FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND INCLUDING THERMAL SPREADER	United States	US	S/N: 08/172797 P/N: 5397396	27-Dec-93		
RD22721 [Filed]	POLYCRYSTALLINE CARBON CONVERSION	United States	US	S/N: 09/206721 P/N: 6126741	7-Dec-98		
RD22800 [Filed]	TUNGSTEN METALLIZATION OF CVD DIAMOND	United States	US	S/N: 08/100406 P/N: 5346719	2-Aug-93		
RD22976 [Filed]	METHOD FOR MAKING HIGH THERMAL CONDUCTING DIAMOND	United States	US	S/N: 08/316995 P/N: 5445106	3-Oct-94		
RD22980 [Filed]	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/261358 P/N: 5424096	13-Jun-94		
RD22980 [Filed]	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/384568 P/N: 5437728	27-Dec-94		
RD23162 [Filed]	METHOD OF PRODUCING ARTICLES BY CHEMICAL VAPOR DEPOSITION AND THE SUPPORT MANDRELS USED THEREIN	United States	US	S/N: 08/119448 P/N: 5869133	9-Sep-93		
RD23356 [Filed]	CHEMICAL VAPOR DEPOSITION OF POLYCRYSTALLINE DIAMOND WITH ORIENTATION AND GROWTH FACETS	United States	US	S/N: 08/264268 P/N: 5437891	23-Jun-94		
RD23427 [Filed]	PROCESS FOR MAKING METALLIZED VIAS IN DIAMOND SUBSTRATES	United States	US	S/N: 08/188877 P/N: 5382758	31-Jan-94		
RD23481 [Filed]	DIAMOND OPTICAL PLATE BEAMSPLITTER	United States	US	S/N: 08/538656 P/N: 5706135	3-Oct-95		
RD23502 [Filed]	APPARATUS FOR ANNEALING DIAMOND WATER JET MIXING TUBES	United States	US	S/N: 08/267181 P/N: 5468934	15-Jun-94		
RD23503 [Filed]	APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/261358 P/N: 5424096	13-Jun-94		
RD23511 [Filed]	ARTICLES HAVING THERMAL CONDUCTORS OF GRAPHITE	United States	US	S/N: 08/262796 P/N: 5494753	20-Jun-94		
RD23716 [Filed]	SUPPRESSION OF GRAPHITE FORMATION DURING LASER ETCHING OF DIAMOND	United States	US	S/N: 08/248896 P/N: 5419798	25-May-94		

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RD23717 [Filed]		ULTRAFAST OPTICAL MODULATOR	United States	US	S/N: 08/605417 P/N: 5659415	22-Feb-96		
RD23819 [Filed]		FABRICATION OF BRAZABLE IN AIR TOOL INSERTS AND INSERTS FABRICATED THEREBY	United States	US	S/N: 08/350572 P/N: 5626909	7-Dec-94		
RD23927 [Filed]		COMPOSITE DIAMOND WIRE DIE	United States	US	S/N: 08/499238 P/N: 5634369	7-Jul-95		
RD23948 [Filed]		DIAMOND FILM STRUCTURE WITH HIGH THERMAL CONDUCTIVITY	United States	US	S/N: 08/316998 P/N: 5525815	3-Oct-94		
RD24002 [Filed]		SYNTHETIC DIAMOND PRODUCT	United States	US	S/N: 08/411181 P/N: 5503104	27-Mar-95		
RD24111 [Filed]		APPARATUS AND METHOD FOR CHEMICAL VAPOR DEPOSITION OF DIAMOND	United States	US	S/N: 08/364568 P/N: 5437728	27-Dec-94		
RD24416 [Filed]		COMPOSITE DIAMOND WIRE DIE	United States	US	S/N: 08/499237 P/N: 5636545	7-Jul-95		
RD24447 [Filed]		COMPOSITE DIAMOND WIRE DIE	United States	US	S/N: 08/499502 P/N: 5634370	7-Jul-95		
RD24450 [Filed]		ELECTRONIC APPARATUS WITH COMPLIANT METAL CHIP-SUBSTRATE BONDING LAYER(S)	United States	US	S/N: 08/457551 P/N: 5587985	1-Jun-95		
RD25160 [Filed]		SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 09/201384 P/N: 6152977	30-Nov-98		
RD25160 [Filed]		SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 09/484389 P/N: 6350191	14-Jan-00		
RD25160 [Filed]		SURFACE-FUNCTIONALIZED DIAMOND CRYSTALS AND METHOD FOR PRODUCING SAME	United States	US	S/N: 09/484392 P/N: 6406776	14-Jan-00		
RD25308 [Filed]		SURFACE ENRICHED DIAMOND AND METHOD OF MAKING	United States	US	S/N: 09/783441	14-Feb-01		
RD27003 [Filed]		DIAMOND MICRO SLURRY FOR CHEMICAL-MECHANICAL PLANARIZATION OF SEMI CONDUCTOR WAFERS	United States	US	S/N: 09/472104 P/N: 6258721	27-Dec-99		
RD27003 [Filed]		DIAMOND MICRO SLURRY FOR CHEMICAL-MECHANICAL PLANARIZATION OF SEMI CONDUCTOR WAFERS	United States	US	S/N: 09/591189 P/N: 6242351	9-Jun-00		
RD27642 [Filed]		METHOD OF DETECTION OF NATURAL DIAMONDS THAT HAVE BEEN PROCESSED AT HIGH PRESSURE AND HIGH TEMPERATURES	United States	US	S/N: 09/430477 P/N: 6377340	29-Oct-99		
RD27888 [Filed]		FUNCTIONALIZED DIAMONDS WITH ENHANCED RETENTION IN RESIN BONDS, REACTIONS AND METHODS FOR PRODUCING SAME, AND ABRASIVES USING FUNCTIONALIZED DIAMONDS	United States	US	S/N: 09/576794 P/N: 6372002	23-May-00		
RD28183 [Filed]		METAL-INFILTRATED POLYCRYSTALLINE DIAMOND COMPOSITE TOOL FORMED FROM COATED DIAMOND PARTICLES	United States	US	S/N: 09/793312 P/N: 6541115	26-Feb-01		
RD28183 [Filed]		METAL-INFILTRATED POLYCRYSTALLINE DIAMOND COMPOSITE TOOL FORMED FROM COATED DIAMOND PARTICLES	United States	US	S/N: 10/255431	28-Sep-02		
RD28271 [Filed]		ABRASIVE DIAMOND COMPOSITE AND METHOD OF MAKING THEREOF	United States	US	S/N: 09/729525	4-Dec-00		
134047 [Filed]		METHOD TO STABILIZE FRAME SAW BLADES DURING CUT INITIATION	United States	US	134047-1 Provisional Filed S/N 604795148	14-Aug-03		

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[Awaiting]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH DISCRETE PARTICLE SIZE AREAS	United States	US	[Issued] S/N: 09/167,196 P/N: 6,187,068	[Awaiting] 10/6/98		
[Awaiting]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH IMPROVED IMPACT AND THERMAL STABILITY	United States	US	[Issued] S/N: 08/523,868 P/N: 5,645,617	[Awaiting] 9/6/95		
[Awaiting]	COMPOSITE POLYCRYSTALLINE COMPACT WITH IMPROVED FRACTURE AND DELAMINATION RESISTANCE	United States	US	[Issued] S/N: 08/415,693 P/N: 5,564,511	[Awaiting] 5/15/95		
[Awaiting]	HIGH PRESSURE/HIGH TEMPERATURE PISTON-CYLINDER APPARATUS	United States	US	[Issued] S/N: 07/792,716 P/N: 5,244,368	[Awaiting] 11/15/91		
[Awaiting]	HIGH PRESSURE REACTION VESSEL	United States	US	[Issued] S/N: 07/826,809 P/N: 5,236,674	[Awaiting] 1/28/92		
[Awaiting]	MODIFIED END ASSEMBLY FOR HIGH PRESSURE, HIGH TEMPERATURE REACTION VESSELS	United States	US	[Issued] S/N: 07/660,332 P/N: 5,190,734	[Awaiting] 2/22/91		
[Awaiting]	HIGH STRENGTH COMPOSITE COMPONENT AND METHOD OF FABRICATION	United States	US	[Issued] S/N: 07/153,725 P/N: 5,032,147	[Awaiting] 2/8/88		
[Awaiting]	COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH IMPROVED IMPACT RESISTANCE	United States	US	[Issued] S/N: 07/390,208 P/N: 5,011,515	[Awaiting] 8/7/89		
[Awaiting]	COMPOSITE COMPACT WITH A MORE THERMALLY STABLE CUTTING EDGE AND METHOD OF MANUFACTURING THE SAME	United States	US	[Issued] S/N: 07/390,204 P/N: 5,011,509	[Awaiting] 8/7/89		
[Awaiting]	COMPOSITE ABRASIVE COMPACT HAVING HIGH THERMAL STABILITY AND TRANSVERSE RUPTURE STRENGTH	United States	US	[Issued] S/N: 07/151,942 P/N: 4,871,377	[Awaiting] 2/3/88		
[Awaiting]	MATRIX CUTTER	United States	US	[Filed] S/N: 10/183,098	[Awaiting]		
[Awaiting]	ENHANCED METHOD FOR MAKING CVD DIAMOND	United States	US	[Filed] S/N: 10/161,266	[Awaiting] 6/3/02		